



April 12, 2004

FOLEY & LARDNER LLP ATTORNEYS AT LAW

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CLIENT/MATTER NUMBER 074830-0109

VIA FACSIMILE & FEDEX

William J. Ryczek
Emergency Enforcement & Support Section (SE-5J)
United States Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Response to Request for Information Pursuant to Section 104

of CERCLA for RRG/Clayton Chemical Company Superfund Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois

Dear Mr. Ryczek:

Enclosed please find Sigma Chemical Company, n/k/a/ Sigma-Aldrich Co.'s ("Sigma-Aldrich Co.") second response to the United States Environmental Protection Agency's ("U.S. EPA") Request for Information Pursuant to 42 U.S.C. §§ 9601, et seq., for the RRG/Clayton Chemical Company Superfund Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois ("Information Request"), dated January 28, 2004. The Information Request was received by Sigma-Aldrich Co. on January 30, 2004; pursuant to an agreement with U.S. EPA, Sigma-Aldrich Co. provided a partial response on March 10, 2004 and is providing a response to the remainder of the Information Request today. Sigma-Aldrich Co. retains the right to supplement its response in the event additional responsive information is identified.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Leah M. Krider

Enclosures

cc: George R. Bleazard

Mark A. Thimke

SIGMA CHEMICAL COMPANY, N/K/A SIGMA-ALDRICH CO. RESPONSE TO REQUEST FOR INFORMATION PURSUANT TO SECTION 104 OF CERCLA FOR THE RRG/CLAYTON CHEMICAL COMPANY SUPERFUND SITE, 1 MOBILE AVENUE, SAUGET, ST. CLAIR COUNTY, ILLINOIS

APRIL 12, 2004

Sigma Chemical Company, n/k/a/ Sigma-Aldrich Co. ("Sigma-Aldrich Co.") has received and reviewed the United States Environmental Protection Agency's ("U.S. EPA") Request for Information Pursuant to 42 U.S.C. §§ 9601, et seq., for the RRG/Clayton Chemical Company Superfund Site, 1 Mobile Avenue, Sauget, St. Clair County, Illinois ("Site"), dated January 28, 2004 ("Information Request"). The Information Request was received by Sigma-Aldrich Co. on January 30, 2004; pursuant to an agreement with U.S. EPA, Sigma-Aldrich Co. provided a partial response to the Information Request on March 10, 2004 ("March Response") and provides this response to the remainder of the Information Request today.

Based upon a diligent review of information currently available, Sigma-Aldrich Co. does not have any liability at the Site. Sigma-Aldrich Co.'s solvent recovery operations at the Site did not cause or contribute to the contamination at the Site. Furthermore, those solvents sent to Clayton Chemical Company for fuel blending did not contribute to the contamination at the Site. Based on information obtained from U.S. EPA files, the hazardous materials identified at the Site are primarily lead, PCBs, arsenic, cadmium, chromium, toluene, chlorobenzene and dichlorobenzene. The only materials sent to the Site by Sigma-Aldrich Co. for recycling were alcohol (ethanol and methanol) and acetone. Sigma-Aldrich Co. did not send any materials to the Site containing PCBs, heavy metals (e.g., lead), or chlorinated solvents.

Sigma-Aldrich Co. leased a small portion of the Site from Clayton Chemical Company where Sigma-Aldrich Co. operated a solvent recycling operation. Sigma-Aldrich Co.'s limited operations at the Site were distinct from the other operations at the Site. Sigma-Aldrich Co. did not interact with Clayton Chemical Company or the other entities operating at the Site. The only materials sent to the Site by Sigma-Aldrich Co. for recycling or fuel blending were sent from Sigma-Aldrich Co.'s facilities in St. Louis. Sigma-Aldrich Co. did not treat, dispose or otherwise handle materials from any other source or party. Furthermore, all materials associated with Sigma-Aldrich Co.'s solvent recycling operations, including the reclaimed solvents, were returned to Sigma-Aldrich Co.'s facility in St. Louis. None of the materials sent to the Site and none of the materials associated with Sigma-Aldrich Co.'s operations were disposed at the Site.

Notwithstanding the foregoing defense, this Response is based upon information currently available to Sigma-Aldrich Co. Sigma-Aldrich Co. has conducted a diligent investigation of its business records and met with the appropriate employees. Sigma-Aldrich Co. reserves the right to revise, amend and/or update this Response in the future if Sigma-Aldrich Co. obtains additional relevant or responsive information. Sigma-Aldrich Co. objects to the Information Request to the extent that it seeks privileged information or information beyond the scope of U.S. EPA's legal authority. Without waiving these objections, or any of the objections identified below, Sigma-Aldrich Co. responds to the Information Request as follows:

REQUEST NO. 1

Identify all persons consulted in the preparation of the answers to these Information Requests.

Response No. 1

In addition to those persons identified in the March Response, the following persons were consulted in preparing this response:

Fred Shaffstall
Vice President, Director – Facilities Development
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Ronald Tellor

Vice President – Manufacturing, Scientific Research, St. Louis Sigma-Aldrich Corporation P.O. Box 14508 St. Louis, Missouri 63178

Dan Tihen
Project Manager – Fine Chemicals
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Mike Hubbard
Supervisor – Production Services, Waste Management
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Bob Wulf Technician – Environmental, Compliance, Safety & Health Sigma-Aldrich Corporation P.O. Box 14508 St. Louis, Missouri 63178

Paul Bange Chemist – Production 2, Blood Products Group Sigma-Aldrich Corporation P.O. Box 14508 St. Louis, Missouri 63178

Steve Doelger Vice President – Manufacturing, Biotechnology Sigma-Aldrich Corporation P.O. Box 14508 St. Louis, Missouri 63178

Shelly Wallerstein
Research Fellow – Process Development
Sigma-Aldrich Corporation
P.O. Box 14508
St. Louis, Missouri 63178

Bill Rogers Retired 2400 State Street Granite City, Illinois 62040

REQUEST NO. 2

Identify all documents consulted, examined, or referred to in the preparation of the answers to these Requests, and provide copies of all such documents.

Response No. 2

Any documentation referenced in preparing this response is identified in response to the relevant request.

REQUEST NO. 3

If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request of who may be able to provide additional responsive documents, identify such person.

Response No. 3

After conducting a diligent search, Sigma-Aldrich Co. does not have any information responsive to this request.

REQUEST NO. 4

Identify all persons having knowledge or information about the generation, transportation, treatment, disposal, or other handling of hazardous substances by you, your contractors or any other person at the Site.

Response No. 4

See Response No. 1.

REQUEST NO. 5

Identify all persons having knowledge or information about a dedicated storage facility or tank used by you, your contractors, or any other persons at the Site for materials sent by you to this Site.

Response No. 5

See Response No. 1.

REQUEST NO. 6

Identify the hazardous substances you or your contractors or any other persons either used, generated, stored, treated, disposed, processed, transported, or otherwise handled at the Site, including:

- (a) The chemical composition, characteristics, physical state (e.g., solid, liquid) of each hazardous substance;
- (b) Who supplied you with such hazardous substances;
- (c) How such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you;
- (d) When such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you;
- (e) Where such hazardous substances were used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you; and
- (f) The quantity of such hazardous substances used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you.
- (g) Provide any information concerning the hazardous substances supplied or generated by Respondent to the Site for treatment, storage, disposal or transport.

Response No. 6

Documents responsive to this request are identified as Bates Nos. S/A-00025 to S/A-000211. (Portions of the documents that are not responsive to the Information Request have been redacted.)

Recycled Alcohol and Acetone

From approximately June 1974 to the early-1990s, Sigma-Aldrich Co. recycled alcohol and acetone used in its ATP natural extraction process at the Site. At the time, Sigma-Aldrich Co. was extracting ATP from horse meat at its facility in St. Louis. Ethanol and methanol were the only alcohols utilized in this natural extraction process. In addition, acetone would occasionally be used. In an effort to conserve resources, Sigma-Aldrich Co. decided to recycle the used alcohol from the ATP process. Sigma-Aldrich Co. conducted these solvent recycling operations on a 20' x 40' concrete pad leased from Clayton Chemical Company for exclusive use by Sigma-Aldrich Co.'s solvent recovery operations. The pad was located at the Site. In addition, Clayton Chemical Company provided Sigma-Aldrich Co. with steam and non-contact cooling water necessary for Sigma-Aldrich Co.'s recycling operations.

Sigma-Aldrich Co. recycled only the methanol, ethanol and acetone used in its natural extraction processes at the Site. After use in the natural extraction process at the St. Louis facility, the alcohol or acetone was shipped to the Site for recycling via a third party transporter. The third party transporters utilized by Sigma-Aldrich Co. for this purpose included Slay Trucking, Schreiber Tank Lines or Schreiber Truck Co., and Commercial Cartage Co. Once at the Site, the used alcohol or acetone was emptied into a tank prior to distillation. Typically, Sigma-Aldrich Co.'s solvent recycling system would process approximately 700 gallons per day of alcohol and approximately 1,100 gallons per day of acetone. Once distilled, the recycled or "clean" alcohol or acetone was placed in the tanker truck and returned to Sigma-Aldrich Co. facility for reuse in the process.

The still bottoms, residual material created as a by-product of the distillation process, were collected in the "bottoms" tank, located on the concrete pad. The bottoms consisted of primarily animal fats, particulate associated with the horse meat, and some residual solvent. The bottoms were sent by tanker truck to Sigma-Aldrich Co.'s facility in St. Louis for disposal. All materials associated with Sigma-Aldrich Co.'s solvent recovery operations at the Site were sent back to its St. Louis facility prior to disposal. Based upon information and belief after a diligent record search, Sigma-Aldrich Co. ceased operating the solvent recovery system at the Site no later than 1990 or 1991.

Sigma-Aldrich Co.'s limited solvent recovery operations at the Site were distinct from other operations at the Site. Sigma-Aldrich Co. did not send any materials for recycling to or otherwise handle any materials at the Site containing chlorinated volatile organic compounds, PCBs, or heavy metals. During the time Sigma-Aldrich Co. leased space from Clayton Chemical Company, the solvent recycling system was operated only by Sigma-Aldrich Co. employees, not Clayton Chemical Company employees or the employees of other entities, and was not operated on a continuous basis. Sigma-Aldrich Co. did not treat, dispose or otherwise handle materials from any other entities or processes other than the natural extraction processes conducted at Sigma-Aldrich Co.'s St. Louis facility.

Fuel Blending

In addition to the alcohol and acetone sent by Sigma-Aldrich Co. to the Site for recycling, in 1987 and 1988, Sigma-Aldrich Co. sent certain low Btu solvents to Clayton Chernical Company at the Site for fuel blending. Based upon information and belief after a diligent record search, similar to the solvents which were recycled at the Site, all of these low Btu solvents were used in the company's natural extraction processes. Since 1985, Sigma-Aldrich Co. has sent all of its hazardous waste for incineration. However, due to the high water content, the Btu of certain solvents was too low for incineration. These solvents were sent to Clayton Chemical Company for fuel blending. Based upon information and belief, Clayton Chemical Company would sell the blended fuel for use by other entities (e.g., cement kilns). Based upon information and belief, all materials sent to the Site by Sigma-Aldrich Co. were ultimately incinerated at a facility other than the Site. In addition, and based on documents identified in the records search, between December 1971 and March 1973, Sigma-Aldrich Co. sent nine loads of waste solvent to the Site for disposal. See Document Nos. S/A-000021 to S/A-000024. After a diligent

search, Sigma-Aldrich Co. does not have any further information regarding these shipments.

REQUEST NO. 7

Identify all liability insurance policies held by Respondent from the date of your involvement (identified in 6.d above) to the present. In identifying such policies, state the name and address of each insurer and of the insured, the amount of coverage under each policy, the commencement and expiration dates for each policy, whether or not the policy contains a "pollution exclusion" clause, and whether the policy covers or excludes sudden, non-sudden, or both types of accidents. In lieu of providing this information, you may submit complete copies of all relevant insurance policies.

Response No. 7

After conducting a diligent search, Sigma-Aldrich Co. does not have any information responsive to this request. Sigma-Aldrich did not have any environmental insurance coverage during the relevant time period.

REQUEST NO. 8

Identify all persons, including yourself, who may have arranged for disposal or treatment or arranged for transportation for disposal or treatment of waste materials, including hazardous substances, at the Site or to the Site or [transshipment Site]. In addition, identify the following:

- (a) The persons with whom you or such other persons made such arrangements, including, but not limited to a listing of all transporters;
- (b) Every date on which such arrangements took place;
- (c) For each transaction, the nature of the waste material or hazardous substance, including the chemical content, characteristics, physical state (e.g., solid, liquid) and the process for which the substance was used or the process which generated the substance;
- (d) The owner of the waste materials or hazardous substances so accepted or transported;
- (e) The quantity of the waste materials or hazardous substances involved (weight or volume) in each transaction and the total quantity for all transactions;
- (f) All tests, analyses, and analytical results concerning the waste materials;
- (g) The person(s) who selected the Site [or transshipment Site] as the place to which the waste materials or hazardous substances were transported;
- (h) The amount paid in connection with each transaction, the method of payment, and the identify of the person from whom payment was received;
- (i) Where the person identify in g. above intended to have such hazardous substances or waste materials transported and all evidence of this intent;
- (j) Whether the waste materials or hazardous substances involved in each transaction were transshipped through, or were stored or held at, any intermediate site prior to final treatment or disposal;

- (k) What was actually done to the waste materials or hazardous substances once they were brought to the Site;
- (l) The final disposition of each of the waste materials or hazardous substances involved in such transactions;
- (m) The measures taken by you to determine the actual methods, means, and site of treatment or disposal of the waste material and hazardous substances involved in each transaction;
- (n) The type and number of containers in which the waste materials or hazardous substances were contained when they were accepted for transport, and subsequently until they were deposited at the Site, and all markings on such containers;
- (o) The price paid for (i) transport or (ii) disposal of (iii) [sic] or both, of each waste material and hazardous substance:

Response No. 8

See March Response and Response No. 6.

REQUEST NO. 9 & 10

The Information Request did not include Request Nos. 9 and 10.

REQUEST NO. 11

Describe the nature of your activities or business at the Site, with respect to purchasing, receiving, processing, storing, treating, disposing, or otherwise handling hazardous substances or materials at the Site.

Response No. 11

See March Response.

REQUEST NO. 12

State the dates during which you owned, operated, or leased the Site, and provide copies of all documents evidencing or relating to such ownership, operation, or lease arrangement (e.g., deeds, leases, etc.).

Response No. 12

See March Response.

RESPONSE NO. 13

Describe and document all financial, business and legal relationships between Clayton Chemical Co., and RRG, Clayton Chemical Co. Acquisition, LLC, Specialty Waste, Environmental Operations, Inc., and the individual partners, members, officers and managing or operating boards of these entities.

Response No. 13

See March Response.

REQUEST NO. 14

Provide any documentation and background history on RRG, Clayton Chemical Acquisition, LLC, Specialty Waste, and the individual partners, members, officers and managing or operating boards of these entities.

Response No. 14

After a diligent search of its records, Sigma-Aldrich Co. does not have any information responsive to this request.

AFFIDAVIT OF GEORGE R. BLEAZARD

STATE OF MISSOURI

)

CITY OF ST. LOUIS)
George R. Bleazard, being first duly swom on oath, states as follows;
 I am an adult resident of the State of Missouri and reside at 17109 Lafayette Trails Court, Wildwood, Missouri 63038.
2. I am the Corporate Director for Environmental Compliance, Health and Safety for Sigma-Aldrich Corporation located at 545 South Ewing Avenue, St. Louis, Missouri.
3. I make this affidavit in support of Sigma-Aldrich Co.'s Response to the U.S. EPA's Request for Information Pursuant to Section 104 of CERCLA for the RRG/Clayton Chemical Company Superfund Site, St. Clair County, Illinois dated January 28, 2004 ("Information Request").
4. Sigma-Aldrich Co. has conducted a diligent record search and met with employees who may have relevant knowledge regarding the activities that are the subject of the Information Request.
5. To the best of my knowledge, based on the information currently available to Sigma-Aldrich Co., this response is true, correct and accurate. Sigma-Aldrich Co. reserves the right to revise, amend and/or update this response in the future if Sigma-Aldrich Co. obtains additional relevant or responsive information.
6. This was prepared with the advice and assistance of Counsel.
George R. Bleazard Corporate Director, Environmental, Compliance, Health & Safety
Subscribed and sworn to before me Thisl2* day of April 2004. Notary Public - Notary Seal STATE OF MISSOURI ST. LOUIS COUNTY MY COMMISSION EXP. MAY 25,2004 My Commission is/expires \$125 pt

CLA. TON CHEMICAL C MPANY

NC. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

PArkview 6-6320 & BRidge 1-0467

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CLAYLON CHEMICAL CO...PANY

NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

PArkview 6-6120 & BRidge 1-0467

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PArkview 6-6120 & BRidge 1-0467

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NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105

PArkview 6-6320 & Bridge 1-0467

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D SIGNA CHEMICAL COMPANY
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ST. LOUIS, MISSOURI 63118

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NO. 10 SOUTH BRENTWOOD BLVD., ST. LOUIS, MISSOURI 63105
PArkview 6-6320 & BRidge 1-0467

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S O L SIGMA CHEMICAL COMPANY
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PArkview 6-6320 & BRidge 1-0467

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10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 • (618) 271-0467

SIGMA CHEMICAL COMPANY

3500 DEKALB P.O. BOX 14508 ST.LOUIS MO 63178

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20 AUG 1982

INVOIC€ NO. 6774

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10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 • (618) 271-0467

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SIGMA CHEMICAL COMPANY

3500 DEKALB P.O. BOX 14506

ST. LOUIS, MISSOURI 63178

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A Service Charge of 11/1% per month will be minde on all past due accounts. - Annual percentage rate | 18%.

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Charges for operation of the distillation system

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10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 • (618) 271-0467

S O SIGMA CHEMICAL COMPANY D 3500 DEKALB P.O. BOX 14506

DATE JAN. 6, 1984
SUSTOMER'S
ORDER NO.

A Service Charge of 11/2% per month will be made on past due accounts. — Annual percentage rate - 18%.

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Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation system

To S	Signa Chemical Company:
Dur:	November, December ing the month of, 1983 , bigma Chemical Company operated the illation system as follows:
1.	On the following dates 11/1 and 50% of 11/2, 11/22 and 11/23 , the distillation system was operated during normal business hours. The total number of normal business hour shifts was $21/2$. The charge is \$240.00 per shift. This total is $21/2$ x \$240. = \$600.00 .
2	On the following dates: system was operated beyond normal business hours. The totatl number of shifts beyond normal business hours was the charge is \$416.00 per shift. The total is x \$416. = \$
3.	Gallons of product shipped from Clayton On Date Acetone SIS Other
	12/1/83 5000
	
	•
	Total gallons acetone 5000 x 16cents per gal. = \$ 800.00 Total gal SIS x 32 cents per gal. = \$ Total gal other x cents per gal. = \$
	Total gallonage charges = \$
4.	hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is x \$15.00 = \$
5.	Charges for additional processing time @ \$60.00 per hour. The total number of hours was x \$60.00 = \$
6.	Summary of above charges:
	Item 1. is \$ 600.00 /
The:	total billing for the months of Nov. /Dec. is \$ 1400.00
e 5 e 1.	



Clayton Chemical Co.MAY 1 7 1984

10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 • (618) 271-0467

SIGMA CHEMICAL COMPANY
D 3500 DEKALB
P.O. BOX 14506
T ST. LOUIS, MISSOURI 63178

INVOICE NO. 213

DATE MAY 16, 1984

CUSTOMER'S ORDER NO.

A Service Charge of 11/2% per month will be made on a past due accounts. — Annual percentage rate - 18%.

HOW SH PPED		DATE SHIPPED	QUANTITY SHIPPED	TERMS N	ET ON RE	CEIPT
YTITMAUK		DESCRI	PTION		PRICE	TOTAL
	FOR THE M	ONTH OF APRIL	PROCESSING CHARGES (7) 1984 6-16 5020C			\$3,920

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation System

			-
To S	igma Chemic	al Company:	
Duri dist	ng the mont illation sy	th of <u>April</u> , 19 stem as follows:	984, Sigma Chedical Community operated the
1	distillatio number of n	n system was operat	4/25, 4/26, 4/27 3, 4/4, 4/6, 4/10, 4/11, 4/12, 4/18, 4/19, the ted during normal business hours. The total r shifts was 13 . The charge is 1 is 13 - x \$240. = \$ 3120,00
2	On the foll system was shifts beyo \$416.00 per	owing dates: operated beyond nor nd normal business shift. The total	, the distillation rmal business hours. The totatl number of hours was The charge is x \$416. = \$
3.	On	Gallons Date	of product shipped from Clayton Acetone SIS Other
		4/25	5000 - No shipping papers for this met 1- D.W
			•
	·		· · · · · · · · · · · · · · · · · · ·
		Total gallons acet	one 5000 x 16cents per gal. = \$ 800.00
		Total gal SIS	x 32 cents per gal. = \$
		Total gal other	xcents per gal. = \$
		Total gallonage ch	narges = \$ 800.00 .
4.			supplied by Clayton @ \$15.00 per man hour. The
.5.	Charges for hours was	additional proces	total is x \$60.00 = \$
6.	Summary of	above charges:	
	Item 2. is Item 3. is	\$ 3120.00 \$ 800.00 \$ 3920.00	YM, Double L. Wale
The	total bill	ing for the month o	of <u>April</u> is \$3920.00



10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 • (618) 271-0467

SIGMA CHEMICAL COMPANY
D 3500 DEKALB
P.O. BOX 14506
T ST. LOUIS, MISSOURI 63178

0

DATE JUNE 6, 1984)

MOPO

A Service Charge of 11/3% per month will be made on all past due accounts. — Annual percentage rate : 18%.

QUANTITY SHIPPED TERMS PLANTITY PRICE TOTAL SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE MONTH OF MAY 1984 \$8,235.0 \$8,235.04 H CK DATE INT. J. P3 4 X. 200. S 😁 RT 00510965 FORM THE AFTER TYAL D.30. A.41. DATE DUE SPLIT # 050200 ACCOUNT NO. PROJECT NO.

n designer de la completation de

Charges for operation of the distillation

To	Sloma	Chemical	Company
T ()	LKMA	CHEMICAL	COmpany:

di.st	ing the month of May, 1984, figure Chemical Company operated the illation system as follows:
1.	$5/16$, $5/17$, $5/18$, $5/21$, $5/22$, $5/23$, $5/24$, $5/25$, $5/30$, $5/31$, 29 . On the following dates $5/1$, $5/2$, $5/4$, $5/7$, $5/8$, $5/9$, $5/10$, $5/14$, $5/15$, the distillation system was operated during normal business hours. The total number of normal business hour shifts was 20 . The charge is \$240.00 per shift. This total is $20 - x$ \$240. $= $$ 4800.00 \rightarrow .
2.	On the following dates: system was operated beyond normal business hours. The totatl number of shifts beyond normal business hours was S416.00 per shift. The total is x \$416. = \$
3.	Gallons of product shipped from Clayton On Date Acetone SIS Other
	¥ <u>5/3/84</u> 2000
	* 5/10/84 1000
	5/14/84 5099
	5/22/84 5435
	¥ <u>5/23/84</u> <u>2500</u>
	·
	Total gallons acetone 10,599 x 16cents per gal. = \$1695.84
	Total gal SIS 5435 / x 32 cents per gal. = \$ 1739.20
	Total gal other xcents per gal. = \$
	Total gallonage charges = \$ 3435.04
4.	hours of labor were supplied by Clayton @ \$15.00 per man hour. The total is x \$15.00 = \$
5.	Charges for additional processing time @ \$60.00 per hour. The total number of hours was The total is x \$60.00 = \$
6.	Summary of above charges:
	Item 1. is \$ 4800.00 Item 2. is \$ Item 3. is \$ 3435.04 Item 4. is \$ Total is \$ 8235.04
The	total billing for the month of May is \$ 8235.04 S/A-000034
LM/	VE '08-03-83 Y PICKUPS (SALES) FROM Chaytons CHEM. Co.
	THEM. CO.



10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726 6320 • (618) 271-0467

ATTN: MARYANN
SIGMA CHEMICAL COMPANY
P.O. BOX 14506
ST. LOUIS, MO 63178

INVOICE NO. 644

DATE FEB. 15, 1985

CUSTOMER'S
ORDER NO. 104

A Service Charge of 11/2% per month will be made on past due accounts. — Annual percentage rate - 18%.

HOW SHIP	PED		DATE SHIP	PED	QUANTITY	SHIPP	ED.	1	TERMS		
	· ·	·			·				· .	·	T =
UANTITY	525			DESCRIPTIO	N				~ <u>-</u>	PRICE	TOTAL
	: 	SEE ATTACH	एक इसकर	FOR PRO	CESSIN	IG CH	ARGES	FOR T	HE		
	•	MONTH OF J	ANUARY.	1985				`÷; ` }		1	\$2,352
				CHECK		TAG	INT.				
			• , .			2/26			-		
				i av bale;		120	775	ĺ.			
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.a				AUCOUNT	NO.	050	20C		 : , .		
.]				:		<u>-</u>		7	` <u>-</u> '		
[PROJECT	NU.					1.5	S. S. S.
1							•		• ,•	1	_ <u></u>

i saturbas rativelympanilogine rational and parting properties and properties and properties of the pr

Charges for operation of the distillation system .

10 3	orguma Chemic	ar company:	-			
dist	illation sy	h of SANOARY, 1 stem as follows:				
1.	number of n	owing dates /7 n system was operatormal business hou shift. This total	r shifts was		The charge is	y e
2.	system was	owing dates: operated beyond no nd normal business shift. The total	rmal business h hours was is	, the nours. The tota . The x \$416. = \$	tl number of	
3.	0n	Gallons Date	of product sha	ipped from Clays	Other	
		1/22/85	5606	· .		
						
					- 1 . 1 	
						•
				·		
		Total gallons acet	one <u>5606</u> x	l6cents per gal	. = \$ 8 96.	96
		Total gal SIS	_			/
		Total gal other				6.00
		Total gallonage ch	arges = \$ //	52.96	- •	
4.		urs of labor were x \$15.			per man hour.	The .
5.	Charges for hours was	additional proces The	sing time @ \$6 total is	0.00 per hour. x \$60.	The totat1 num	mber of
6.	Summary of	above charges:	·			
	Item 2. is Item 3. is Item 4. is Total is	\$ 2352.96			/	
The	total billi	ing for the month o	FANUA	RY 18 \$ 2	352,96	· · · · · · · · · · · · · · · · · · ·
LH/	v:E _08 -03-8 3	3	S.M.	2/12/85	•	S/A-000036



10 South Brentwood Blvd., Clayton, Missouri 63105 (314) 726-6320 (618) 271-0467 ACCOUNTING

Son Benge

S O ATTN:

· T

ATTN: MARYANN SIGMA CHEMICAL COMPANY
P.O. BOX 14506

ST. LOUIS, MO 63188

H PO

DATE MARCH 18, 1985

CUSTOMER'S ORDER NO.

A Service Charge of 11/3% per month will be made on past due accounts. — Annual percentage rate - 18%.

QUANTITY SHIPPED TERMS HOW SHIPPED YTITHAUC PRICE TOTA SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE 3,214 MONTH OF FEBRUARY, 1985 DATE HECK · . ∠Ho⊒ Fol∰ W. AFFRIYAL 031. AMT. DALE DUE SPEIT 带 ACCOUNT NO. PROJECT NO.

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Charges for operation of the distillation system

To	51gma	Chemical	Company:	
_				

dist	illation s	th of <u>February</u> , 1 ystem as follows: lowing dates 2/20,	·		
٨,	distillati	on system was opera normal business hour shift. This tota	ted during norma	1 business hou	rs. The total
2.	avetem ves	lowing dates: operated beyond no ond normal business r shift. The total	rmal business hos hours was	SITE. The tota	e distillation atl number of charge is
3.		Gallone	of product ship	ped from Clays	ton
	On	Date	Acetone	SIS	Other
		2/27/85	6589		******
		•			
					
					
		Total gallons acet Total gal SIS Total gal other 12 Total gallonage ch	x 32 cent	cents per	\$ <i>_</i>
4.		ours of labor were x \$15.	supplied by Clay		per man hour. The
5.	Charges fo	r additional proces	ssing time @ \$60 total is	.00 per hour. x \$60.	The totatl number o
6.	Summary of	above charges:			
	Item 2. is Item 3. is Item 4. is Total is	\$ 1534.24 \$ 3214.24		M. 3/12/8	
				1	214.24
The	total bill	ing for the month o	Helmany	1s \$2	X141X4



quaring the congression is a considerable of the constraint and the constraint of th

Clayton chemical Co.

10 South Workwood Ulva Clayton Missouri 63105 # 1 Mobile St.
(814) 726 6320 • (618) 271-0467 Sauget IL 620

REC'D ACCOUNTING

SIGMA CHEMICAL
D P.O. BOX 14506
ST. LOUIS, MO 63178
ATTN: MARYANN

17 APR 1985 10410 00 | no Po DATEAURIL 12, 1985
CUSTOMER'S

Militar de de la constitució de la constituci

A Service Charge of 11/2% per month will be made on past due accounts. -- Annual percentage rate - 18%.

HOW SHIPPED QUANTITY SHIPPED TERMS DATE SHIPPED CUANTITY DESCRIPTION PRICE TOTAL SEE ATTACHED SHEET FOR PROCESSING CHARGES FOR THE \$8,816.8 MONTH OF MARCH, 1985k INT. DATE TY. PRICE EXT. m. A. AL 0.50. AM. OA : DUE 計用 港 05020C ACCOUNT NO. PROJECT NO.

Suggested Billing Form by Clayton Chemical

Charges for operation of the distillation Evsten

To Sigma Chemical Company:

Duri dist	ng the mont	h of March, stem as follows:		_		he
1.	distillation number of n	owing dates3/1,3/n system was open ormal business ho shift. This tot	/4,3/5,3/6,3/7,3 rated during nor our shifts was	mal business h 16	3/13,3/14, , nours. The t . The charg	otal
2.	system was shifts beyo	owing dates: operated beyond rend normal busines shift. The tota	ss hours was	hours. The to	the distillate that number the charge is	of
3.	On	Gallon Date	ns of product sh Acetone	ipped from Cla	yton Other	•
		3/7/85	6027		,	
		3/12/85		3619	100	
		3/20/85		6795 6. 1		
		1 120				
		<u> </u>				
			· · · · · · · · · · · · · · · · · · ·			
		Total gallons ac	etone 6027 x	l6cents per g	al. = \$ <u>964.</u>	32 /
		Total gal SIS 10	,414 √ x 32 ce	ents per gal.	s 3332.48	·/
		Total gal other_	1700 × 40	cents p	er gal. = \$ <u>6</u>	80.00
		Total gallonage	charges = \$ ## 29	Garage Comments of the Comment of th	\$. 4976.80	
4.	total is	urs of labor wer	e supplied by C 5.00 = \$	layton @ \$15.0	O per man ho	ur. The
5.	Charges for hours was	additional proc	essing time @ \$ e total is	60.00 per hour	The totat	1 number of
6.	Summary of	above charges:				
	<pre>Item 1. is Item 2. is Item 3. is Item 4. is Total is</pre>	\$		3.M. 4/9/85		4.10-3-5
The	total billi	ng for the month	of March	is \$8	316.80	



1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

OCT 24 1986

80LD F0	SIONA OHEMICAL P.O. BOX 14506 ST. LOUIS, MO 6 ATTN: MARYANN			A Ser	DATE CUSTO ORDER	√% per month w	, 1986
1CW SHIP	WO P.O.#	DATE SHIPPED	lono	SHIPPED OO	TERMS		
YTITAL	X	DESC	RPATENREC'D			PRICE	TOTAL
	see attao-ed s-	eet for Total oh	ENT'D BY RUS FOR THE MO DUE DATE SPLIT CODE 050200 050200 0505 0507 0515 05020C	THE SPIMER, 1	986		\$2,470.72
							195. <u>.</u>

	Sigma Chémi	cal Company:			•	<i>,</i> •
Dur dis	ring the monstillation s	th of September, ystem as follows: 9/12	198 <u>6</u> , Sigma	Chemical Comp	any operated the	9/30
1.	distillation of a	lowing dates, 9/15, on system was oper normal business hor shift. This tot	ated during no ur shifts was	ormal business 13	23,9/24,9/25, the total	he al is
2. ems essing	On the foll system was shifts beyon	lowing dates: 9/9, operated beyond normal busines r shift. The tota	9/10.9/11 ormal business s hours was	s hours. The	the distillation totatl number of	<u> </u>
2	360.00			\$360.		- -'
3.	Ori	Gallon Date	Acetone	shipped from C SIS	layton , Other	•
		9/11/86		5048		
		9/16/86		6149		
		9/25/86	·	5274		
						·
				• •		
	•	Total gallons ace	tone	x 16cents per	gal. = \$	
		Total gal SIS 16,	.471 x 32	cents per gal.	- \$ 5270.72	
		Total gal other	x	cents	per gal. = \$	
		Total gallonage c	harges = \$ <u>52</u>	270.72 🗸	•	•
4.	total is	ours of labor were	supplied by .00 = \$	Clayton @ \$15.	00 per man hour.	The
5.	Charges for	r additional proce	ssing time @	\$60.00 per hou	r. The totat1 n	umber o
6.	Summary of	above charges:	king út			
	Item 1. is Item 2. is Item 3. is Item 4. is Total is			5.ty 101	26/86	
			-£ Contombon	4.0 6	9470.72	
The	total billi	ing for the month	or <u>septemper.</u>	18 9	J470172	
	total billi vf 08-03-83	3 _:	or september	D.	0/26/86	→



1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

SOLD +0	SIGMA CHEMICAL C 3500 DEKALB ST. ST. LOUIS, MO 63 attn: L. MERRIW	5118 (I	110 00 - VO P.O:	1 ,	CUSTOMER ORDER NO	VEMBER 7, 1986
ICW SHIP	SCHIBER	DATE SHIPPED	QUANTITY	SHIPPF ALS.	مجهد المنت المنتان المن	* N. Derceior
JANTITY	7	DESCRIF		DATE REC'D	The state of the s	TON REDEIPT
•	DISPOSAL OF 6500 SCHIBER FREIGHT	CATTONE OE ELEMÍ 20		ENT'D BY	12-07 2 716 0523	\$3,250.00 246.25 \$3,497.25
					. l	
				grander.		
4,		· · · · · · · · · · · · · · · · · · ·				
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				A SELECTION OF THE SELE		
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-				18 18 18 18 18 18 18 18 18 18 18 18 18 1		

S/A-000042



1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

INVOICE NO. (3029 S MEER 13, 1986 SIGMA CHEMICAL 3500 DEKALB ST. DATE REC'D 12-6 ST. LOUIS, MD 63118 T ENT'O BY ATTN: L. METRIWEATHER er month will be made on all l percentage rate - 18%. DISCOUNT QUANTITY BUTPOSTE HOW SHIPPED DATE SHIPPED SCHIBER 11/10/86 NET ON RED 6500 GAI SOUT COOK VANTITY DESCRIPTION PR CE TOTAL 050203 059200 0505 DISPOSAL OF 6500 CALLONS OF SPENT SOLVENT @ \$. \$3,250.00 SOHIBER FREIGHT (11/10/86) 271.98 0507 3.521.98 0515



1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

mo PO INVOICE NO S O DATE NOWEMBER 24, 19 SIGMA CHEMICAL CO. DATE REC'D 3500 DEKALB ST. D FILL BY ST. LOUIS, MO 63118 T DISCOUNT ATTN: L MERRIWEATHER harge of 11/2% per month will be made on all HOW SHIPPED DATE SHIPPED SOMER 11/20/86 NET ON RECEIPT TOTAL JANTITY DISPOSAL OF 6500 CALLONS OF SPENT \$3,250.00 STHIBER FREIGHT IN (11/20/86) 210,16 \$3,460.16



1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467



SOLD TO	SIGMA O-EMICAL COMPANY P.O. BOX 14506 ST. LOUIS, MO 63178 ATTN: MARYANN WO P.O.	10110 0120 01300 100 01401		DATE CUSTO ORDER	MER'S NO.	vill be made on all
TOW SHIP	PED DATE SHIPP	EDITE TO PUANT		TERMS	TERMS	
		F-117 - D-1-77				
YTITAAL		ESCRIPTION			PRICE	TOTAL
	SEE ATTAO-ED SHEET FOR TOTAL	650200 060700 050700 050700 050700	OI-IU.	O NOWEMBER 198	3 5	2,556.16



Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

SOL SIGMA CHEMICAL CO. D 3500 DEKALB ST. ST. LOUIS, MD 63118 T

0

ATTN: L. MERRIWEATHER

JANUARY 14, 198

A Service Charge of 11/2% per month will be made on all past due accounts. — Annual percentage rate - 18%.

HOW SHIPE	ED	DATE SHIPPED	QUANTITY SHIPP	F^ //	27		
	SCHIBER	1/8/87	6000 GALS	Rail	n . $1/3$? = T 0\	REDETIPT
UANTITY		DESCRIF		م رودن بر		PRICE	TOTAL
	SCHIBER FREIGH	5-00152/IL11	OLVENT @ \$.50/OL. 812808 Hillingst 4/10/07	587	0 9-14	00	\$3,000.00

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Clayton Chemical Co.

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1887 BEN 3.1 MAL	1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467	
715.	10110 100	•
•	7 7 7 7 7 7	
S	eem	INVOICE NO (3139)
S O CTO A S B FOOL O		DATE JANUARY 14, 1587
L 'SIGMA CHEMICAL CO. D P.O. BOX 14506	Due Drite 02-14	CUSTOMER'S, ORDER NO.
ST. LOUIS, MO 63178		
O ATTN: MARYANN	A	Service Charge of 1½% per month will be made on a ast due accounts. — Annual percentage rate - 18%.
Con Repression		and the accounts. — Annual percentage time - 10/g.
HOW SHUFED DATE	SHIPPED QUANTITY SHIPPED	TERMS
(NO P.O#)	DESCRIPTION	PRICE TOTAL
	10.401	
1	(05030C)	
SEE ATTACHED SHEET FOR	TOTAL CHARGES FOR THE MONTH OF DECEMBER :	1986 \$1,914.2
LM		
1-16		e.
1-16		Mr.
		Sta.
		177
	·	
		-
		•



SIGMA CHEMICAL COMPANY 3500 DEKALB STREET

Clayton Chemical Co.

1 Mobile Avenue • Sauget, Illinois 62201 (618) 271-0467

NO PO

10110

INVOICE NO 3197

DATE JANUARY 30. 1987

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

HOW SHIPPED DATE SHIPPED QUANTITY SHIPPED TERMS

WANTITY DESCRIPTION PRICE TOTAL

BILL FOR SERVICES RENCEPED BY WILBER WAGGINER AND PAID BY CLAYTON CHEMICAL

OMPANY

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

A Service Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.

BILL FOR SERVICES RENCEPED BY WILBER WAGGINER AND PAID BY CLAYTON CHEMICAL ST., 266.50

A SERVICE Charge of 1/3 per month will be made on all past due accounts. — Annual percentage rate - 18%.



Clayton Chemical Co.

1 Mobile Avenue • Square Hirrors 52201 (618) 22 PCW11

SIGMA CHEMICAL COMPANY
3500 DEKALB STREET
ST. LOUIS, MD 63118

ATTN: L, MERRIWEATHER

SOLD

T

0

DATE JANUARY 30, 1987

no po -

A Service Charge of 1½% per month will be made on all past due accounts. — Annual percentage rate - 18%.

RED. SI, PMENT DOS TRAVEN RED. SI, PMENT DOS TRAVEN OUS TOMS FORM OUV. APPROVAL DISC. AMIT. CATE DUE OSAGON NO. 052300 M. 2/8/87 PROJECT ID.			/			:
DISPOSITINE CONTINUED STATE INTO 183, 148,3 DISPOSITINE CONTINUED STATE INTO 184,3 STATE INTO 185, 148,3 OBSTORM FORM DISC AMT. DATE DUE OAL STATE OF THE OBJECT OF					v enemer	
DISPOSALINE INIT DISPOSALINE COD CALING F SENT SOLVENT @ \$.50/CA. 37. PRICE IN (01/27/87) MO - 024 3 2 - 00/5 7 1. PRICE IN (01/27/87) MO - 024 3 2 - 00/5 7				1 121 0		TOTAL
	CUSTOMS FORM INV. APPROVAL DISC. AMT. CATE DUE SPLIT # ACCOUNT NO. OS	STRUET STENTS	1. 2/18/87	-ove		\$3,000.00 148.35 \$3,148.35

MAILING ADDRESS AND INVOICE TO: P.O. BOX 14508, ST. LOUIS, MO 63178 U.S.A. ATTN: ACCOUNTS PAYABLE (314) 771-5765

PURCHASE ORDER NC. 76093

IMPORTANT

M

PURCHASE ORDER NUMBER AND PART NUMBER MUST APPEAR ON ALL CORRESPONDENCE, IN-VOICES, PACKAGES AND SHIPPING PAPERS.

VENDOR:	Chemics	1 Co.		DATE	6-R7	
				,	ORDER CONFIRMA	TION
SHIP TO:				DELIVERY DATE		
SIGMA CI	HEMICAL	CO.	ATINP. Tafra/R. Eckerd	VIA	· · · · · · · · · · · · · · · · · · ·	
St. Loui	Le, HO 6		DOOR:	TERMS		
				F.O.B	·	_,
CODE	QTY.	UNIT	DESCRIPTION		PRICES	EXT.
MSD S Info			Charge to Code 1076-1514			
			Firm bid price to perform miscellaneous piduties as designated by Sigma.	ping		
t e te	;		TNU! 3240 2-28		W. C. J.	
. Marin Marin	See Track			·		-
•			COMPIRMATION - TELEPHONE - DO NOT DUPLIC	ATE		
, 3		<u>-</u>				
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1						
				·		
1. D Machiner 13s	y or Equipme ad Directly in rchased for E is an ingredi	nt Production? xpansion or F ant or Compo	YES NO	SIGMA CHEMIC	CAL COMPANY	(2480

4. D Supplies

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Clayton Chemical Co.

plugo PROJECT 7016	
S SIGMA CHEMICAL COMPANY STORY SYSTEMER'S SYSTEMER'S SYSTEMER'S SYSTEMER'S	>
ST. LOUIS, MO 63118 T ATTN: L. MERRIWEATHER/FRED SHAFSTALL O Past due accounts. — Annual percentage rate - 76093 To	
FOW SHIPPED QUANTITY SHIPPED TERMS	
UANTITY DESCRIPTION PRICE TOT	'A.L.
Mork/labor supplied by CCC on the Sigma project up to MarAll 1967 3 hrs. (1½ hrs. X 2 workers) cut and weld pipe on tanks EXT. 3-18 kases 5 hrs. (2½ hrs X 2 workers) pur ladders on two tanks and set Marks in place. (5 hrs X 2 workers) install ladders & weld pipe. (6hrs. X 3 workers) remove old tanks and set Will same in place and clean area. (6hrs. X 2 workers) pipe work. 3 hrs. (4 hrs X 2 workers) pipe work. (7 hrs. X 2 workers) set pumps & piping. (2 hrs. X 1 worker) install valves. (7 hrs. X 2 workers) piping. (6hrs. X 2 workers) piping. (7 hrs. X 2 workers) piping. (8 hrs. (7 hrs X 2 workers) piping. (9 hrs. (2 hrs X 1 worker) piping. (14 hrs. (2 hrs X 2 workers) piping. (15 hrs. (2 hrs X 2 workers) piping. (16 hrs. X 2 workers) piping. (17 hrs. X 2 workers) piping. (18 hrs. (18 hrs. X 2 workers) piping. (19 hrs. (19 hrs. X 2 workers) piping. (19 hrs. (2 hrs. X 2 workers) piping. (19 hrs. (2 hrs. X 2 workers) piping. (2 hrs. (2 hrs. X 1 worker) install valves. (2 hrs. (2 hrs. X 1 worker) install valves. (3 hrs. (4 hrs. X 2 workers) piping. (5 hrs. X 2 workers) piping. (6 hrs. X 2 workers) piping. (7 hrs. X 2 workers) piping. (8 hrs. (2 hrs. X 1 worker) install valves. (9 hrs. (2 hrs. X 1 worker) install valves.	
18 hrs. X \$15.00/hour = \$1,620.00	

P.O. BOX 19276 State Form LPC 62 8/81 (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039, Expires 9-3/0-91 EPA Form 8700-22 (Rev. 9-86) Information in the shaded areas is not Manifest 1. Generator's US EPA ID No. UNIFORM HAZARDOUS MODØØ627372610D00mgent508 required by Federal law, but is required WASTE MANIFEST Location If Different 07 RECD S G D 3. Generator's Name and Mailing Address SIIGMA CHEMICAL CO. AMIN: STEVE DOELGER / 3500 DEKALB ST. ST. LOUIS MO 63118-410 \771-5765 4. Generator's Phone (314 US EPA ID Number 5 Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. II L D Ø Ø 6 4 9 3 1 9 US EPA ID Number 7. Transcorter 2 Company Name 9. Designated Facility Name and Site Address 10 US EPA ID Number CLAYTON CHEMICAL CO. #1 MOBILE AVENUE ILDO6691832 SAUGET, IL 62201-1069 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Unit Total Туре G WASTE DENATURED ALCOHOL RO 100/45.4 E N Ø. Ø. 1 T. T D 6 4 703 FLAMMABLE LIQUID NA 1986 E h. R T 0 R 15. Special Handling Instructions and Additional Information or 15 NOT Deliverable 162 NITTON Sources. AMOND 14 L L STEVE Doelga AL PODRESSED. 3500 Dekalbst./ST.laus 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and fulture threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select Date the best waste management method that is available to me and that I can afford. Month Day Year Printed/Typed Name Signature NICHAEL 040489 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date

d Statutes, Chapter T11½ Section 21, that this Information be striction of this Information may result in a fine up to \$50,000 per This Apency is authorized to require, pursuant to Illinois Révis or operator of not to exceed \$25,000 per day of violation, Fail

Signature

Printed/Typed Name

AND SPECIAL WASTE.

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7. Transporter 2 Company Name 8. US EPA ID Number Figure 9. Dusignated Facility Name and Site Address 10. US EPA ID Number CLAYTON CHEMICAL CO. #1. MOBILE AVENUE SAUGET, IL 62201-1069 11. US COT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers No. Type Quantity W/Vo a. WASTE DENATURED ALCOHOL RQ 109/45.4 FLAMMABLE LIQUID NA 1986 9. D. T. T. D. S. D. D. 1 b. c. d. d. G. B. T. T. D. S. D. D. D. 1 D. SOURCES, C. L. GRUTTON SOURCES, C. S.	
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20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.	Date
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State Form LPC 62 8/81 IL532-0610

EPA Form 8700-22 (Rev. 9-86) Form Approved. OMB No. 2050-0039, Expires 9-30-91 ASE TYPE (Form designed for use on elite (12-pitch) typewriter.) Manifest Information in the shaded areas is not 1. Generator's US EPA ID No. 2. Page 1 UNIFORM HAZARDOUS required by Federal law, but is required M O D Ø Ø 6 2 7 3 7 2 6 Ø WASTE MANIFEST 3. Generator's Name and Mailing Address Location If Different: SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. APR 17 RECD S G D ST. LOUIS MO 63118-410 1771-5765 4. Generator's Phone (314) 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. 006493 US EPA ID Number 7. Transporter 2 Company Name US EPA ID Number 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 Tr. D 0 6 6 9 1 12. Containers 11. US EOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit No. Type a, WASTE DENATURED ALCOHOL RO 100/45.4 Æ FLAMMABLE LIQUID E b. R C 0 d GENERATOR IF RETURN SIGNED MANIFEST to: STEVE DOCKEL undeliverable as 3500 Dekalb st/strougs.63/18/ 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be eronomically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select Date the best waste management method that is available to me and that I can afford Signature Month Day Printed/Typed Name last L Dufter 17. Transporter 1 Acknowledgement of Receipt of Materials Month Day Year Signature Printed/Typed Name Klopmerce 01410171819 ICCHAE 13. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Frinted/Typed Name Skonature 19. Discrepancy Indication Space (X). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date: Printed/Typed Name

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS , SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 P.O. BOX 19276 AND SPECIAL WASTE. State Form LPC 62 8/81 IL532-0610 (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) Form Approved, OMB No. 2050-0039, Expires 9-3()-91 Information in the shaded areas s not required by Federal law, but is required UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Manifest MODØØ627.37261Ø^D&^{urgent}8^{No}Ø WASTE MANIFEST by Illinois law. 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. Location If Different: ANTN: STEVE DOELGER / 3500 DEKALB STMAY 15 RECD S G D 4. Generator's Phone (314 ST. LOUIS MO 63118-410 771-5765 5. Transporter 1 Company Name SHIBER TRUCK COMPANY, INC. US EPA ID Number I L D Ø Ø 6 4 9 3 1 9 1 US EPA ID Number 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address C_AYTON CHEMICAL CO. US EPA ID Number #1 MCBILE AVENUE SAUGET, IL 62201-1069 ILD066918327 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12.Containers 13. Total Unit Quantity WASTE FLAMMABLE LIQUID N.O.S., RQ 100/45.4 а. UN 1993 (METHANOL/ALCOHOL) øø 1 T. TO 3.9 5.0 1 b. C. O d. Special Handling Instructions and Additional Information AVOID ALL Deliverable AS IGN ITTON ADD RESSED. Destroyer 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name Signature Month Day Ē Michael Ø 15 Ø 5 B 9 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature Year MICHAEL 01210121817 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed:/Typed Name Signature Month Day Year 19. Discrepancy Indication Space ζ 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency. Fature to provide the information may result in a civil pervitly significant the own or oversity of not to exceed \$25,000 per day of violation. Fatsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Hamagama

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State Form LPC 62 8/81 IL532-0610

WASTE MANIFEST MOD Ø Ø 6 2 7 3 7 2 6 Ø Generator's Name and Mailing Address SIGMA CHEMICAL CO. A'TTN: STEVE DOELGER / 35ØØ DEKALB ST. (31.4 ,771-5765 ST. LOUIS MO 6		of 1.	by Illinois		law, but is re	
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State Form LPC 62 8/81 IL532-0610

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This /genc/ is authorized to require, pursuant to lifinois Revised Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency, Eafure 16 provide the information may result in a civil penelty against the owner or operative of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and ingring/nument up to 5 years. This form has been approved by this Forms Management Center.

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State Form LPC 62 8/81 (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-88) Form Approved. OMB No. 2050-0039, Expires 9-30-91 1. Generator's US EPA ID No. 2. Page 1 Information in the shaded areas is not UNIFORM HAZARDOUS MODØØ6273726ØDOCCO required by Federal law, but is required? WASTE MANIFEST by Illinois law. Location If Different: 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. JUN 23 RECD S G D ST. LOUIS MO 63118-410 4. Generator's Phone (314) 771-5765 US EPA ID Number 5. Transporter 1 Company Name I L D Ø Ø 6 4 9 3 1 9 SHIBER TRUCK COMPANY, INC. 7. Transporter 2 Company Name US EPA ID Number 9. Designated Facility Name and Site Address US EPA ID Number CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 ILD06691 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Unit Type WASTE FLAMMABLE LIQUID N.O.S., RO 100/45.4 E Ħ (METHANOL/ALCOHOL) UN 1993 FR 0 the National Response 15. Special Handling Instructions and Additional Information AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE, AS ADDRESSED. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Month Day Frinted/Typed Name Signature nneth 9 8 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Frinted/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Cay signature Yea Printed/Typed Name Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. rinted/Typed Name-Month Day

IL532-0610 State Form 1 PC 62 8/81

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FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

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IL532-0610 State Form I PC 62 8/81 (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039, Expires 9-30-91 EPA Form 8700-22 (Rev. 9-86) 1. Generator's US EPA ID No. Manifest 2. Page 1 Information in the shaded areas is not UNIFORM HAZARDOUS Document No required by Federal law, out is required * **WASTE MANIFEST** MODØØ62737 by Illinois law. 3. Generator's Name and Mailing Address Location If Different: SIGMA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST. 4. Generator's Phone (314 771-5765 ST. LOUIS MO 63118-410 5. Transporter 1 Company Name US EPA ID Number COMMERCIAL CARTAGE CO. MODØØ6491286 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 II L D O 6 6 9 1 8 3 2 11. JS DOT Description (Including Proper Shipping Name, Hazard Class, and iD Number) 12. Containers Unit Type Enlegally nespulse at Vt/Vo G a. RO, WASTE ACETONE, E N 0.0.1 T. TO 6,2,6,3 FLAMMABLE LIQUID UN 1090 1 E b. R Д o R d. Special Handling Instructions and Additional Information actiondeau ipitonesi AVOID ALL IGNITION SOURCES. RETURN TO GENERATOR IF UNDELIVERABLE. RETURN MANIFEST TO: SIGMA CHEMICAL COMPANY ATTN: STEVE DOELGER / 3500 DCKHIB st/ St Louis, mo 63118 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select دهنية the best waste management method that is available to me and that I can afford. Date Month Day Printed/Typed Name Signature Year ENNETH 030190 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature. Year DEUE BARton 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day Year Discrepancy Indication Space Date 20 Facility Owner or Operator: Certification of receipt of hazardous materials—covered by this manifest except as noted in item 19 Printed/Typed Name Signatur Month Day

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 P.O. BOX 19276 AND SPECIAL WASTE. State Form LPC 62 8/81 IL532-0610 IOTE: FORM DESIGNED TO PRINT 8 LINES PER INCH. EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039, Expires 9-30-91 Manifest UNIFORM HAZARDOUS 1. Generator's US EPA ID No. 2. Page 1 Information in the shaded areas is not required by Federal required by Illinois law. case Ø |M O D Ø Ø 6 2 7 3 7 2 6 | Ø **WASTE MANIFEST** 3. Generator's Name and Mailing Address Location If Different: SIGNA CHEMICAL CO. ATTN: STEVE DOELGER / 3500 DEKALB ST.)771-5765 ST. LOUIS MO 63118-410 4. Generator's Phone (314) 5. Transporter 1 Company Name US EPA ID Number COMMERCIAL CARTAGE CO. MODØØ649 7. Transporter 2 Company Name US EPA ID Number 8.

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This Agency is authorized to require, pursuant to illinois Revised Statutes, Chapter 11 operator of not to exceed \$25,000 per day of violation. Faisification of this informatio Center.

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State Form LPC 62 8/81

LEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-88) Form Approved, OMB No. 2050-0039, Expires 9-3(+91 5 Information in the shaded areas is not required by Federal law, but its required by Illinois law. 1. Generator's US EPA ID No. Manifest UNIFORM HAZARDOUS ocument No WASTE MANIFEST MODØØ6273726 Location If Different: 3. Generator's Name and Mailing Address SIGMA CHEMICAL CO. ATIN: MIKE HUBBARD / 3500 DEKALB ST. spill tall the Illinois Office of Emergency Response at 217 / 782-3637 and the National Hesponse Center 4. Generator's Phone (314 771-5765 ST. LOUIS MO 63118-410 5. Transporter 1 Company Name 1 US EPA ID Number SCHIBER TRUCK COMPANY, INC ILDØØ64931 US EPA ID Number 7. Transporter 2 Company Name. 8. विकित्र (१ व्यवस्थानम् । FRA ID Number 9. Designated Facility Name and Site Address CLAYTON CHEMICAL CO. #1 MOBILE AVENUE SAUGET, IL 62201-1069 /ILD06691832 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Type No. Wt/Vo Quantity G FQ, WASTE FLAMMABLE LIQUID, N.O.S., (METHANOL/ETHA 8. Ē NOL) N FLAMMABLE LIQUID UN 1993 ERG# 27 0.0.1 T. Te Special Handling Instructions and Additional Information ANDID ALL ICANITION SOUTLES. ¥ 314-776 MO. TRANSPORTER ID MO Generator il To2935 H-1427 16. CIENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I art a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to te economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and uture threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name Signature Month Day Year , Wubburd Michael A **5159** 17: Transporter 1: Acknowledgement of Receipt of Materials Date Dav Month Printed Typed Name Date 18. Transporter 2 Acknowledgement of Receipt of Materials ORTER Signature Month Day Printed/Typed Name 19. Discrepancy Indication Space FACILITY 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except Date Day Signatur Pricted/Typed Name

This Agency is authorized to require, pursuant to illinois Revised Statutes, Chapter the owner of operator of not to exceed \$25,000 per day of violation. Faisification of the Forms Management Center. 11172 Section 21, that this infor 424-0002

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Inventory at Signa - 12/31/88.
Process aceton-8500 gol. Process SIS-2000 gol.
Used SIS-1500 gol.

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¢.	1/27	SIS	SHIPPED	42,400 ±.		12,844 grd
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 -		Sis	SHIPPED	26560± 3952gul		51,928
		SIS USED	RCVD	(16 700 gul	57,100	
-		SIS USED	RCVD	26000 gal 26000 gal	63,800	
_	5/27		SHIPPED	26,000 de		55,797.
	5/30	(SIS(used)	RCVD	6500gd	70,300	
	6/2	\$15	SHIPPED	33720 E 5018 GAL		608,15
ļ.	6/13	Sis	SHIPPED	37,300 H 55516AL	3	66,366
	6/13	SISCUSED	ľ	46580H 6700GAL	77,000	- S/A-00007
L.	/ , - / - [1	•	J/A-00001

			· · · · · · · · · · · · · · · · · · ·		<u></u>	
. [DATE	MATERIAL	SHIPPED RECIEVED	QUANTITY	Y.T. DICUM TOTAL USED	TOTAL PROCESS?
ř.	6/23/86	SIS(USED)	RCYD.	6400 GAL	83,400	
	6124186	SIS	SHIPPED	44040 # 6554 GAL	·	72,920
	6/24/86	SIS(USED)	RCVD.	25,720= 3850GAL	87,250	·
	6/30/86	SIS	SHIPPED	44,560# 6631 GAL		79,551
	6/30	SIS (USED	RCVD	39620d 57606AC	93,010	
	7/11	SIS	SHIPPED	43,940# 6539Gal		86,090
	7()	SIS (USED)	RCVD	6100GAL	.99,110	
	7/17	SIS(USED)	RCVD	43640#	105,810	
	7/24	SIS	SHIPPED	6494 CAL		92,580
	7/24	SIS (USED)	RCVD	6700 GAL 38,9604	112,510	
	8/13	515		38,760B 57896AL		48, 359
	8/13/86	S 15 (05 € 0)	RCVD.	6000 GAL	118510	
	9/11	SIS	SHIPPED	#33920# 5048GAL		103,407
	9/11	SIS(USED)	RCVD	6400 6AL 41,320 m	124,910	
/	4/16	SIS	SHIPPEN	6149 GAL		109,556
	1/25/86	S15	SHIPPED	35,4404 52746AL		114,830
	9/25	S115 (used)	RCTO	6000 GAL	130,910	
	10/2/86	SIScuses)	RCVD	6000 "	136,910	
	,1/4/86	SIS	SHIPPED	4988GAL	10 ft -	119,818
	1114/86	SIS(used)	RCVD	. 6500 GA4	143/10	
	, ,			15,000 £		
	12/11/86	S.(S	SHIPPED	2232 044		122050
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	·			ران المعادمة المعادم الراس	•	S/A-000073
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	DATE	MATERIAL	SHIPPED OR RECIEVED	QUANTITY	Y.T D.CUM. TOTAL USED	YITIDI CUM. TOTAL PROCESS
	5/14/87	SIS BOILER	RCVD,	144,400H		6607
	5/14/87	SISCUSED	SHIPPED	6600 GAL	6600 cm	eser de la companya d
	5/27/87	SIS	RCVD	1 5375		11,983
	5/27/87	SISCUSED	SHIPPED	46,660 H 6500 GAL	13,100	/
	6/3/87	SIS	RCVD	4625		16,607
.,	6/3/87	SISWEED	SHIPPED	6500 GAL	19,600	
]	6/9	ACETONIE USED	SHIPPED	6500GAL	26, 100	
· · · ·	9/10	SIS	RCVD	4725		21,332
·	6/10	SISCUSED	SHPPZO	6500GAL	32,400	
·	9/19	acilona	RCVD +	5951) 5 450	-	27,282
	6/25	515	RLYD	(3738.) 3552	r	30,507
	6/29	S15 (USEB)	SHIPPED	6500 GAL	39,100	33/32
	7/1/87	SIS	BCVD 1	2678 2365 GAL	-	33,872
}	7/8/87	SIS	'RCVD V	1950 GAL		34.855
	7/8/87	SISCULED)	SHIPPED	50006AL	44,100	V
· 10	7/15/87	SIS	RCVD V	3625 CAL		38,447 -
	7/15/87	SIS (used)	SHIPPED	65006A4		market of the
	7/24	ACETONE	RCVD. 4	43.382 gul	۰ .	45,029
	7/24	515 (USED)	~	41.9000	57,200	
	7/29/87		RCVD, V	41,900 g	,	51,264
	7/29/87	SISCUSED	,	6500 gol 44,140 6568	63,700	
	8/6/87	SIS	RCVD V			57,832
•	8/6/87	SIS (USEA)	SHIPPED	6500GAS 6369(6500)	70,200	
4.	8/20/87	SIS	RCVD. V	428004	i	64,201
S/A-000074	8/20/87	S I S (used)	SHIPPED	6500GALS	76,700	
/ A -0	8/3/87	515	RCVD. V	66066226		70,742
(ñ	8/31/87/	SI Sciences	SHIPPED	4900GAC 37,020	. 81,600	
, ·	9/1/87/	<u>ラ</u> トフ	RCVD .	5507 gels	88,300	15,936
	9/1/87	SIS used	SHIPPED	4700 GALS	88,000	

*					······································
		SPENT SOLVENTS: SHIPPED TO CLAYTON P	ROCESSED SOLVE	N	RC
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VE	ָר עי,	RCVD.	CLA/M	YITD	CUMTOTAL	YTD C	UMTOTAL	YTD CUMTO	TAL
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	DATE	SPENT SOLVENTS ALCOHOL		Y.T.D CUM. TOTAL SPENT ALCOHOL	
	5/4/87 5/14/87 5/27/87	6600gl	TICET ONL	6600 gals	
1					
			- · · · · · · · · · · · · · · · · · · ·		
					S/A-000077

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T. D. COM. TOTAL	PROCESSED SOLVENTS	S REVD. FROM CLAYTON	Y.T.D. CUM TOTAL	Y.T.D. Cum. TOTAL
MAT GETONE	· ·		PROCESS ALCOHOL	
	6607 GALS		6607 GALS	
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1/9/86 > 7/1/87

Barren Land		,		
1/9/9	300.00 \$300.00	Clayton Organier	Signa S.M. 2/10	ton Actoneluses Worte HZO
1/13	311,500 14.00 111.65 337.05	Clayton. Signa Oses. S.M. 12 hr denna	-> Sigma -> Clayton . 2/10	Acetona SIS(used)
_/27.	Slan 211.50 + 108.82 1320.32	Claston - Signa -		SIS Ocetonia (used) 2/10
2/25	Slan 225,08 120,95 14,06		Signer Clongton Signer 3/7/86	
3 5	Slang		Suma	
3/14	Slow 348.10	Sagna Clayton B. M. 41	- Delongto 3 Seguro	SIS(used) Weste Hod
		·		S/A-000080

Slay Clayton -> Suma acetone (used)
approved S.M. 4/4/86 4/1/86 Slag Clayton - Sym actions \$340.79 Signe - + Claylon SIS(USES) agg. S.M. 5/8 4/9 Slong Clonglan - Symme SIS 14 341.82 Signa - Clayton SIS (used) Ageg. B. Mr. 5/8 4/25 Slay Cloydon -> Signa SIS B341.70 Signa -> Cloydon SISused) app. S.M. 5/8 Slav Clouten & Sugna SIS (SEE)
\$367,71 Signa Dayton SIS (SEE) Slave Signa Claylon SIS used 33400 Claylon - Signa waste \$720 5/27 Slow Cloydon - Signa S15 204.00 app. S. M. 4/12 S/A-000081

5/30 Slang Sigma A Clayfon used 515 334.42 Clayfon A Sigma waste 420 app. S.M. 4/12 6/2/86 Slave Clayton - Signa SIS \$204.00 aggressed S.M. 7/9 6/13 Slag Clayton -> Segme SIS #325.11 Segme -> Clayton SIS(used) approved S.M. 7/7 5/23 Slan Signed Siming SISCHERD 6/24 Slav Clayton - Signa SIS \$333,00 Signa - Clayton SIS(usid) Appended S.M. 7/7 - 6/30 Slay Claryton - Signa SIS 1/196/00 Signa - Waste H20 17/11 Slong Clayton & Sigma SIS (usel)

\$335.45 Sugma & Clayton SI'S (usel)

Simi

S/A-000()82

7/17	Slong B3ZB,12 Ogg. 8/11	@ Clayton & Clayton	Sign	ma Waste H20 a SIS (used)
7/24	Slag 3.00 agg. 8	Clayton - Clayton -	De Signi	SIS(used) Worte H20
8/13/	86 Slag	Clayton - Sigmo -	-> Symo	515 5815 (morb)
9/11/	\$6 Slay 324.64 2.59.25 \$683.85	Clayton S. M. 10/	- Sugar Days	~ SIS ~ used SIS ~ waste HzO
9/25	528.50 308.00 528.50	Clayton Signiture 18.M. 10/2	- Dent - Dent - Sego	SIS SISused worte Hd
9/16	Slong	Clayton	-> Sug	S15
10/2/8	6 Slav 140.00	Signe		SIS (mass). Whate H20
		S. Mr. 11/29		S/A-000083

10/31/86 Slay Clayton - Segma #236,87 agg. 2.M. 11/29 Weste H20 11/4/86 Slag Claylon - D Sigma SIS 204,00 Sigma - Claylon SIS(USED) 104,00 Approved Simi 11/29 12/1/86 Slay Clayton - Sum SIS \$204.00 app. 1/12 S.M 12/19/86 Slang Clareton & Segme Weste H20 #254.51 approved 1/12 Shy . -----

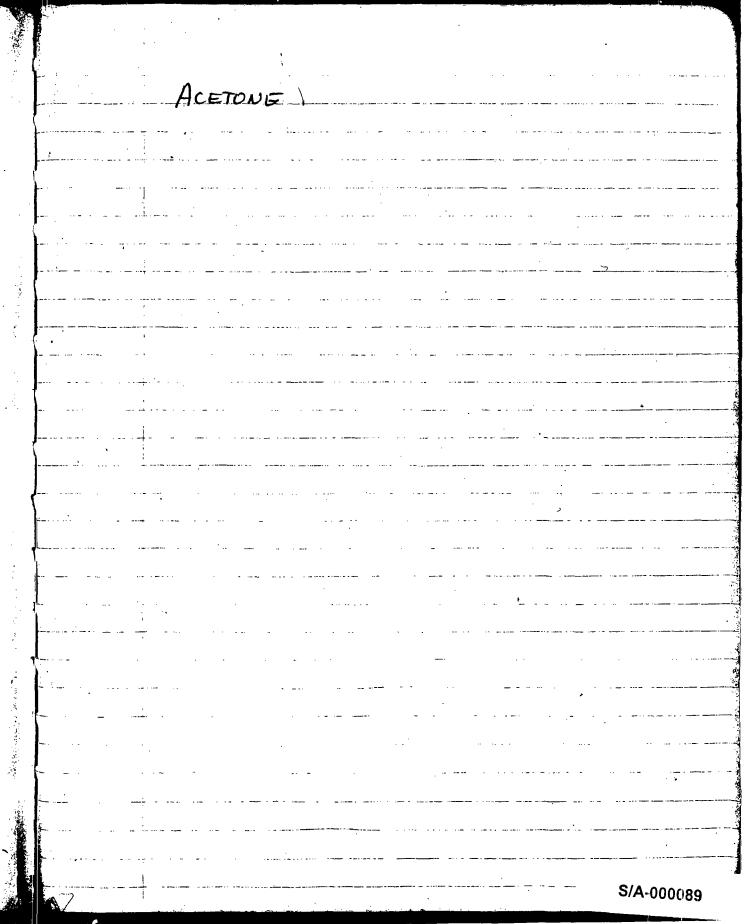
5/27
Oring 9:50 Am.
Wanted for analysis
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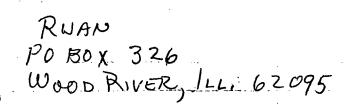
5/14/87 Slung Clayton - D Signa SIS (coiler Feed) Signa - D Clayton SIS (USEO) 5/27/87 Slay Clayton -> Signo SIS 320.65 Deinin Signo -> Clayton SIS (USED). \$36265 aggrand Silv. 6/15 6/3/87 Slave Clanton - Sum SIS 309.000 Line Signer - Clayfor SIS(USED) 360.00 Jun. agg. B.M. 6/15 6/9/87 Slavy Signa - Clayton Acetanduced agg. S. M. 1 4/16 6/10 Slang Clayton -> Sugma SIS 340.00 Sugma -> Clayton SIS (used) 340.00 argenard S.M. 6/16 6/19 Slay Clayton -> Sigma acetino \$ 213,49 + 34,00 Opposed S.M. 1/1 6/25 Slave Clauter - Degree SIS 204.00 Segme - Delogter SIS (1150) 326.35 Ogg. S.M. 7/24. S/A-000086

	/ 1	. ^	,		
	7/1/87	Slary	Claylan	-> Signo	815
	7/ _%	Slan 204.00	Cloutens?	Signo Alley Shi	515 (mach)
	7/15	Slay	Claytan Signa	-> Summar -> Summar -> Clauston	SIS SISmal
	7/24	†		- Signa Clayton	•
,	7/29	Slavo		-> Signa -> Clayta	
	8/6	Slay	Clayton	Segun Daylon	S15(mars)
	\$//3	Slary	Signa	- Olanton	acetone resed
		,		- Siama Clayton	
	x	<u> </u>			S/A-Dnnner

January V.		
	\$ 31 87	Slay Clayton & Segma \$15 Sugma -> Clayton \$15 cused
	9/1/87	Slavy Claylon -> Sugue SIS
		Slang Clayfon SISCured SISCured

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3:30 6 9:30 10 17.5 17.5 17.5 11.50 paid

RUAN314436-4994 MIKE MEFFORD BOB SCHOFFELD 618 - 254-3885 ROCKY DARE Trailer #89 - RUAN # 20313 railer 183 -2 RUAN # 20337 10-17-74 9 AM # 20337 ju une per cell to Fire Por Rocky Dase - set up for 40pm load Friday # 20313 Jused Monday 3:30P at Bud to pick up yeast. Spotted att Sigma approx 6 6:30 p. # 20313 3 EM STOP SPOT CHARGE 10-18-74 200 PM (filling W SIS) -22-74 Trailer # 20313 begin xpotchage at 10:30 AM 10-23-74 Trailer # 20337 2 stop spot change Trailer # 20313) at 110-14-74 Waste from clay ton 10-18-74 Worte from Bigma! Thur 10-31-74 Trails. 11-12-74 Rocky Dave, S/A-000091

71-14-74 Oil move I begin sport change @ = 10 m 20313 11-18-74 Styp get chape 11-25-74 Start spot char 20337 @about 15P 11-27-74 31540+478= 4652 44rs Wed, byinning @ 874 Thurso pieled up load Sank about 3:15p shruhd S/A-000092

5.9-75 Som Cheaves - at Clayton chimical 1 01 2 7:15 pm bygan leading rullain dec Po # 121874 5 6-10-75 Sam Cleaves - at clayton - 7-30 A FINISH - 308

10 immer of thuled load of reclaim aretone returned up bod of also had a 153 + cleaning not yet charged /FAS7-7-25 7-7-75 Som Cleaves - at Clayton ~ 630 Finish at 10 pde Hauled load of SIS to E, returned w/load of SIS for reclaim. 71/2-8 hrs / 81/2 hrs graved 7-30-75 Sam Cleaver at Clayton ~ 2 p Finished ~ 8 p Hauled bods of 515 to & returned co/load of 515 for reclaims total house 7-8 8-6-75 Sam Cleaves at Clayton forpament hoad Reclaim 515 to 5 returned w/load of 515 preclain nighed 8-14-75 Sam Cleaves - spotted trailer at Clayton in ann then Picked up load at 1:30 PM 1> E, Returned wood of waste 515 for reclaim. Picked up 2nd lood of waste 515 at & and 7 Clayton Finish about 7:30PM 18 for returned w tractors to pick up dump trailer at 800 M. 1 158-14-75 Sam harted flood 515 + I load reclaim S/A-000093

Sam Cleaves arrived @ Clayton 7:45 am 9-17-75 picked up load SIS arrived @ E × 10°54412 left @ 228 finished unloading at Clayton 10-1-35/FAS flift at 3:25p. Handed blood 515 2 loads SYS used. (7/4 HR) 10-2-75 Sam Cleaves siched up load at Clayton ~ 73 d used 515 returned to 4375, galo 515 to Sigma, ship 4600 gal und 515 to Clayton 1 orr Sigma 12:53 depart 2:57 1-7-75 Sam Cleares ship 2778gal SIS to Sigma, thip should be within 6 hr ming) Jam Cleaves - pick up load at chy : 27 depart 2:15p arrive 3:50 pm depart Som Cleanes punk up load at Clayton and at Sigma (areton), return to Clayton sick whol and unload at Sigma, load used 1 1-20-75 take to clayton, load waste at Clayton and return to Signa, Finish Signa و مح و الم S/A-000094

12-15-75 Slay 31,420 # a cetore reslaim Clayton to Signa. Bulk load of used actione "Sigma - Clayton \$165 + 10.50 = \$1 75.50 Pickup landa Claton - ladigtime 159+ 17.50 - 176.50 .12-11-75_Slay: 12-13-75 Slay 515 from Clayton -> Sigma , SIS Signa -> Clayton 189+ 196d = 9+76-50 184+7=9191 12-19-75 Slay: Load @ Clayton 515 -> Signa; 515 used & te Clayton \$ 160.58 shil 12-30-75 demurrage notaggiroved. 1-16-76 Slay: load Clayton 515 -> Sigma; Sis used 2 to Clayton Waterwaste clayton -> Signa SIS Und to Clayton > did not approved
2-25-76 Desnurage charges \$7.00 approved 2-16-76 Slay: lood Clayton -> Sigmon; Ace used Eta Clayton demurage 3.50 approved 2-25-76/FAS included charge - 244.81 approved 2-25-76/FAS \$ 3-15-76 Slay: load Clayton -> Sigma; Acetore used & 6 Clayton Starto Slag to Claim Muller 4 -15-76

4-16-76 Slay: Pick up 515 at Clayton -> Sigma; Fich 4-24-76 kied 168.00 (did not approve 75 holidy charge) no notification 8/78.50 ullimately paid 75 cepter Set up with Claime for 5-6-76 Clayton > 5-4-76 125-6-76 Sigma SIS; Sigma to Clayton Used SIS; Signa - Clayton Ulid 515 & 30 min demarage unloading reclaim \$15 no other extras /FAS 5-6-76 ok'ed total bill of \$ 289 5-13-76 PHS Slay Set up with larry for FRI. 5-21-76 7:30A d 5-26-76 \$ 171.50 / FAS Shipped 515 reclaimed 515 used Slay: Loungo set up schedule I was at Conker. Trusk halled I load SIS; I load used 515. (note: T. B. detected odor in trailer; did not Load, I sent truck back. Slay steam cleaned and returned to clayton for loading) old to bill for \$168.00 / 556-8-76 Slay: tout asked for 7-13-76; delayed that Slay's request 7-14-76 futabout 1/2 hr demarragetime

Okil \$168 no demarrage / FAS7-20-76

30,50	
	FB
Ruch	7-29-76 Slay: Clayton -> Signa -> Clayton -> Signa -> Clayton -> Signa -> Clayton -> Signa -> Clayton
	V SIS USIA
v charge	approved invoice for 168.00 \$ 3.56 for 14hr.
	approved much for 168,00 9 3,50 for the receive
	demirage charge /8-17-16
515;	8-19-76 Slay: Clayton > Sig at SIS; Sig -7 Clayton refused SIS approved 177.18 18-28-76 I stopping may 15 to min demorrage.
	8-20-76 Slav. At to 25 Sig > Clanton W/SIS used: Clanton -
	8-20-76 Slay; Clayton 750 Sig -> Clayton w/515 used; Clayton ?-
	egnet ZERO DEHVERAGE
	\$ 168 okied 8-30-76 no denurage
	9-9-76 Blay: Clayton -> Sigma 45 min Damanage untiling
iler.	Slame > Clayton 45 min Demurage Cooling
1	191.33 okied 9-16-76 hauling only
tones	
	10-13-76 Slay: Poyton > Sigma 30 min demurrage intosing
···	Signa - Clayton no demorrage
ruck	Claime cancelled Trush that True afternoon while I was
ruen 1	at Cou Symposium. I called Larry
not	dispatcher a 60 pm Tue & said wellasto
-	oked 177.67
2 1111	10.50 demurage
	\$188.17
wist	11-11-76 Slay: Sigma -> Clayton used acetone us
-7 Clay	demurage od'ed 8/41.76 11-18-26/F/3
	- CVV - Dn _ / 4/10 / (0
1.76	S/A-000097
	V OJA GOODS

11-23-76 Clayton dennurage expected 14 hr at E unbad

akied \$ 184.63 lawling \$4 hr at E load

FAS 21.00 demorage
12-1-76 20 5.63 No demurrage espected no demorrage 12-22-76 LM. set-up have - personally perhed up placerds Clayton - Sigma w/ R/autone Sigma -> Clayton Used are expect { 3/4 hr demouspe unloading R /ace. oked 204,80 + 17.50 denur = 222.30 L.M. set up haul - Signa -> Clayton w/ ~ 5000 gol 515 (mud) no demurrage expected Note: driver arrived Chapter instead of Sigma Oh'ed \$ 120 for haul modernings 2-3-77 Slay Sigma > Clayton w/515 used: Clayton > Signa w/ Bottomy

Should not be any demissage

\$ 1/2×15/1/1/15 no demissage S/A-000098

900 2-7-77 Slay: Clayton -> Signa Acetone and bill for 120,00 /FAS 2-11-77 2-18-77 Slay: Clayton - Signa 515 reclaim Signa > Clayton SIS used

espect ~ 1 hr demurage

a high \$203.51

+ 7.00 demurage \ FAS 2-18-72 4-14-77 Slay: Clayton-7 Signa SIS Reclaim Signa -> Clayton 515 used: expect 15 min demorphing et &

oked 45 desurrege \$ 190.73 total 4-21-77 Slay: Sigma > Clayton Acetoniused no demarrage obléd 8/22.00 /175 4-28-77 5-3->> Slag. LM set up 3 Clayton Signa SIS

Signa -> Elayton and 515

espect 45 min denursel

5-9-77 object 8 180.08 100 denursege pet 5.11-77 \$ Slay LM set up Clayton > Sig Oretone

Sig 7 Clayton 515 weed: Clay - Sig 50 to me

No demurrage expected

of 180 5-17-77/775 no demurrage

SIA-000099 expect bill for bottoms 1 5 100 for waste (5-25-17 FAS He !

(D) FAS 6-1-77 Slay: Clayton LM set-up w/Slay -> Sig SIS Signa -7 Clayton SIS(USED) expect 30 mindenurage _ 9.00 demorage 6-17-77 Slay: Clayton -> Sig 515 FAS set up for F Sigma > Clayton 515 (us ed) expect 30 min demarage

old (\$ 189.86 shyping

FMS
6-2477 9.00 denverage - 9.00 denverage was obed Sigma -> Clayton Actions used

Was obed expect 30 --30 min demorrage 7-7-77 Slay Clayton > Sig Ace Signa -> Clayton SIS used Clayton - Signa Waste water expect 30 min demovage 122.00 HiBoil shyapin 9.00 denurage yama Real. SIS Allita SIS,USED 7-26-77

ston - A Signa Red Orelano and lemminge \$130.00 Shipping change approved 12-14-77 8,M1 S.M. 195,36 shipping changes. 1-18-78 Same Daylon Daylon Signa S15 1.9-78 Sla 1-17-78 Degma Rech 5/5

Degma Rech 5/5

A Clayton used ACETONE 192.00 appinel 1-26-78 + 13000 shipping changes S/A-000103 et no demung

Slay Clayton - Signa, 5/5
Signa - Clayton
expect 30 nin demunos
398-77 + 9,00 demunos 2-27-78 Slay 78 Slug Clayton Degna apposed #224.33 legna Degna 3-2014 #224.33 leggas Degrat 835 min lemu 3-14-78 Slay approved \$148.97 auton - Degma waste H20 3-30-78 Slang Clarkon Degree SIS opproved 202.69 Lappung Change Sigma - Dellayton SIS custo 4/8/745 Mi 4/13/78 Slay Clayton Slagen \$ 19200 (Sigma 1 4-28-10 + \$130.00 - Sigma 1 NO DEMURES

NO DEMURES

NO DEMURES

Clayton SISCURED y changes approves 5/9/28 Sty - Symm S18 Deglos S15 USES

6/5/78 Einstein Signe ACETONE (unds 5/30/78 Slay Clayton - Signa ACETENE \$503,94 Shipping Signa - Clayton SIS(USED) 6/6/78 Sinr 6/9/78 Slay Clayton Signa SIS # 218.66 Shapelings Signa A Clayton SIS USED approved 6/23/18 Sur expected 30 min. Lemmage 6/22/78 Slay Segme A Clayton SIS(USE)

8 211,90 Abypying Clayton D Sigma WASTE 6/29/18 Son Cloyton Signa SIS suppling cost of Signa & Cloyton SIS(used) apprimed 7/3/78 Silvi 7/10/78 Plans Claylon - Degra SIS(USEO)

\$2,7,42 glippingelling Segma - Delaylon SIS(USEO)

approved 7/18/78 S/A-000105

10/18/78 S/A-000106

11/1/18 Slay Clayton D Signa SISIE

4217.95 Inv. approved Signa D Clayton BISIUSED

+ 133.06 Demunage Clayton D Signa Borrows 15 216,05 approved between Signa Signa SIS

15 216,05 approved between Signa Daylon ACRTONEED 12/5/78 Slove Clayton Signe Begins USED 5/5, # 1050 by 2/5/78 Deprove Begins Degree USED 5/5, \$2,43.16 \$1016.00 shappings EFON 12/29/18 Slay Clayton - Symi SIS
237.30
Sur aggrand Segme - Confor (USED)

18/14

18/14 2/8/29 Slay Signar Clariton 515 (usel)
\$166:93 shipping ONE WAY HAVE

S.M. 2/19/78 2/20/79 Sloy APPROVED 222,30 2/26/74 132.00 #354.30 Signa Signa S15

Signa Signa S15

Dieston Ocetonsol

Laylon Duenste H20 Clayton SISCURED 3/5/79 Slag SHIPPING CHARGE APPROVED 3/05/79 S/A-000107

179 \$ 251,24. S/A-000108

6/26/79 Slay 8/6 S.M. Slayton -226:54 49, 8/29 Signa Sun, 8/28/79 Dayton -239,91 shippings appropriate 8,0/24/79 Segma SIS

Clayton ACETONE (USED とんだ SE.D 420 1/26/19 Slay Clayton Signa ACETONE

1/26/19 Slay Clayton SIS(USED)

23659 approved

S.W. 8/9/79 Slaw Clayton - Segma SIS 1-11:50 Dem Sigma - SUgma SIS(6:50) 8/8/29 approved Mr 8/21/29 Signer SISISEA Progton Signo Acetonoloses

Porton Acetonoloses Luci S/A-000109

9/13/29 Sl 23:00 timm, 79.82 app 10/29/79 S/A-000110

11/15/79 Slay \$248.85 apromed. S.M. 11/27/29 35/5 11/29/79 Slay Claylon - Segma ACETONE Segma - De Claylon 31505ES * 25/.97 #269,22 to 0.360 4/H = ~ 10.8% 12/10/79 Slong Signo - Clarton Acerova(USEO)
(4 300.170hyp.ch Clarton - Signo WASTE 1+20) 2 acit 120 12/27/29 S.M 1/2480 Slay Clayton shapping \$271,30 append 2/1/80 DSugna 515 Dlayton accord ingo 1/24/80 Slay Claylow -> Sugar Acetone (ised 13:00 lemmas S/A-000111

2/8/80 2/14/80 2/22/80 8 256,50 chy. d., 13.00 long. d., 269,50 app. 3/7/80 2/29/80 30 \$ 257.64 app 3/11/80 19,50 Denun S/A-000112

3/26/80 Slay Clayton - Signa S/S 259,55 Sh. change Sigma - Clayton ACETONE(USE) app. S.M. - (uses) 4/2/80 Slay Clayton - D Signa ACETONE 176,23 ONE WAY 4/14/80 Slag Degree Delant SIS USED 8NE WAY SED) SED) 4/24/86 Slong Clayton Som ACETONE
253.62 Segme Delayton USED SIS
app. 5/12/80 BAD ON 5/1/80 Slay Clayton - Sigma SIS 14176 approach Sigma - S Clayton SISUSED 5/13/80 ONE ED) Clayton - D Signa SIS (USEA)
Clayton - D Signa WASTE HE 18765 Slay 14.74 + 293.64 204.4 approved Silvi6/20/80 USED 277,38 Sugna Slayton SIS(VSE) 6/3/80 Slarge S/A-000113

4/16/80 Slang Clayton Segma SIS

284.66 Segma Delayton ACETONE

1 29.38 Demange

1 31 404

ODD 10/6/00 Clas app. 10/6/80 S.M. 9/23 Clay Clayton Degra ACETONE
278.88 Sign Douton SIS(USED)
180.80 Clayton Degra WASTE HOD
4467.03 app 10/6/80 S.M. FF a 5 E A 4. \$7.35 1,7.35 10/24/80 appmed 10/24/80 120 10/23/80 Slay Clayton & Signa SIS
285.91 FORTWI Signa Clayton USED 1/50CVENTS
22104 Signa Delayton 11 SOLVENTS 1 SCHOOL 11 SOLVENTS 1 SCHOOL Slay - Clarton - Degra SIS

878.80

Signa - Clarton ACETONE (USED)

707.35

Signa - Degra SIS (USED)

187.65 app 12/4/8hs سيعير USEDI 11/14/10 Slay Signa - De Clayton ACETONE CUSES S/A-000115

12/11/80 Slan 3/1 S/A-000116

3/13/81 Sling - Clayton D Syma Octom Caroli app. 3/26/81 S.M. 4/14/8/ Slay Clayton DSgma SIS \$344.90 Sign D Clayton ACETONE (USED) 4/27/8/ Slang Clayton - Segmo ACETONE (RECC)
329:22 Segmo - Clayton ASIS (USED) 5/6/81 Slay Clayton - A Signa SIS (recl)
324.14 Signa - A Claylon SIS (used) app. 5/12/81

5/15/81

Clayton - Degra waste Hzo
app. S.M.;
app. S.M.;

Signa SIS (used.)

Signa SIS Signa S15 215,64 Slay Sity D Clayton ACETONE (USED)

22/3/8/ Slay Sugar D Clayton ACETONE (USED)

22/,22 Byck HAUL

App. 8. M 7/6/8/103.96 app. 9/7 8. M.

6/30/8/ Slay Clayton D Signer \$15

A 1077.60 app. 7/24/48th S/A-000117

17/9/81	Sla DO A IR	ACETONE 2
	Slay — Daylon — Segna	ACETONE (USE) 3
7/16/81	Slay Clayton -> Segma 326,80 Soloton -> Segma 202,60 Clayton -> Segma 39,40	ACETONE CUSE 19/2 Wort Hac
	2/30	-
4	325.34 app. 8/31/8/ Shy	SISCUSED
10018		SIS (USED)
S/25/8	3 Slay Clayton -> Signa -> Clayton	a SIS ACETONICUSE
(1/1/8/	1 Slay	
	323,31 appened S. M. 9/12/81	
		S/A-000118

9/21/8/ SED Degra Ottomos Dongton SISCUSED fla Symm, 815 TE ______ S/Swsen ACETONE 10/28/81 Sl 302,368, hr. 11/24/8/ S/A-000119 11,16/81 Slan 325.750 Signa SIS MA ACETONE 11/25/81 9

11/20/81 Slay Signa Monton SIS(used) 4201.80 appenuel P.M. 12/5/8/	3/1
11/30/8 Slong Sigma - + Clayton SIS (used)	3/2
approved S.M. 712	
12/04/81 Slav Clayton - Sigma SIS (used) 12/04/81 Slave Clayton - Sigma waste H20	41
4236,93 Clayton - Dogma waste H2D ,562,46 agg: 12/21/62	
3.m.	4/-
1/8/92 Slas Clenter - Same (ACETONE	
1/8/42 Slay Clayton Signa ACETONE 327.08 Signa D Clayton SIS(USED) approximal/25/87	-4/
2/22/82 Slay Segma - Delayton Acetone (USE)	5/,
10.00 Pump CHARGE	
19,50 XS TIME 13,00 WEIGHT CHARGE 3078 15% FURL SURCHARGE 244122 app, 3/8/82	5/2
29/102 appl 7/818	

S/A-0001:20

3/19/82 Slow Sign - Delouter Acelone (USED & 320.69 shich Clayton - Signa ACETONE ORG. 4/6/82 Clayton - Signa ACETONE 3/22/82 Slay Signa - Delayton ARETONE (USE)
\$331.43 Sligg charges
agg. 4/6/82 2 Slang Segma & Claylon ACETONE (USEA)
201.80 Claylon D Segma WASTE HZO

\$ 560.07

8.M. 4/2/82 Slay 4/26/82 Slave Clayton - DSigna SIS 319,99 Signa - Clayton ACETONE (USEO) app. 5/3/82 4/21/82 Slave Confor - Degna ACETONE 5/14/82 Slay Clayton -> Signa & SIS 358:65 Signa -> Clayton SIS(USEA) 088 'S.M. 6/2/82 728/82 Slay Clayfon - Sigma SIS app. 8. M. 6/22/82 S/A-000121

6/9/82 Slang Clayton 4 - Signa SIS (USEB) E \$231.88 S.M. 6/22/82 - ACETONE (USED

8/18

9/

10

6/14/82 Slay Clayton - Sign \$331.26 apg. S.M. c/22/82

6/23/82 Slay Clayton - S \$547.45 agg 3.M. 6/29/82

7/8/82 Slong Clanton & Bagner SIS USED \$ 226.30 agg. S.M.

7/16/82 Sloy to SIS (USED) 335.63 the SIS (USED) 10/1 shows cost agg. 8/13 S.M.

7/28/82 Slay Clayton -\$311.54 app. 3.M. 8

8/18/82 Slay Clayton -> Segma SIS \$1310.5407 Segma -> Clayton SIS(USED) app. S.M. 9/8/8290 to Segma Woote H2O +\$202.50 app. S.M. 10/21/10 9/10/82 Slay Clayton - DSigne S15 B341.48 Signe DClayton 315 (USIED) approved 9/21/82 S.M. 9/13/82 Slay Sign - D Clayton Aceton ased 4221.72 approved 10/14/8.M 9/17/82 Slay Clayton - D Signer Acetons \$ 338,53 Signer - D Clayton SIS (USED) appined 9/27/82 S.M. 9/23/82 Slay Clayton & Signa SIS \$383.56 Syma Delayton Acetono Coses agegrand S.M. 10/2/82 10/1/82 Slave Signie - Olivier Acet offcol 10/5/82 Slay Clayton -> Sign Acalona 232,38 appened 10/14/82 S.M. 10/8/82 Slay Sugar Delaston Acetharian \$205.46 approved 10/25/82 Silver 205,46 approved 10/25/82 Sill

(14) (15)

	4/2.
Blay 10/14/82 Clayton - Signa ACRTONE	4/0.
Slay 10/14/82 Clayton -> Signe ACETONE (USE D) 325.62 approved 10/28/28/1	
	5/1
11/4/82 Slam Clayton - Sagna SIS 280.36 Sagna - Clayton Acetone (used) 271.14 Clayton - Sagna Waste H2O \$551.50 aggraved Shr. 11/15/82	5/1
	; ;
11/12/82 Slong Clayton - Segma Acetoma Segma - Sigma SIS Custero 341.66 appended S.M. 11/27/82	5/:
12/16/82 Blog Bibn. 12/29 Acetono (used)	6/1
1/20/83 Slay Clayton - D Sygma Acelone	
\$314.97 Signa - De Clayte Acetan Coused	
1/ /2 Commercial of) + C CIC	
Signa - Delayton SIS heard	6/2
	6/:

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4/25/83 Slav Cluyton - Description SIS
305.65 Signa - Datytro
Dittytho 5/17/83 Slay Clayton - Signa SIS 5/18/83 Slug Sigma - Donton SIS used

12 5/18/83 Slug Sigma - Donton acetime used

12 12 18 18 Cappionel 5/183 S.M. 5/31/83 Slay Clayton - Signa SIS 180,00 apprined S.M. + 12,00 * 164.00 Cloudon - Sugar ACETONE

19200 Cloudon - Sugar West H20

Approved 035600 for temo 143 = 2 to Slay S. M. 7/7/83 6/23/83 Slay Clayton Degrae SIS Signa Delongton Acetan(mid) 6/27/83 Slay Cloyton & Signa SIS (USED) S/A-000124

7/6/83 9/9 - ACETONE CUS \$203,60 7/2/83 9/16 (USED) NASTE HZO Signer SIS (USEO) 8/2/82 9/29 8/9/83 S15 307,06 5 SIS (GSTED) 10/21 appi Sim. 8/19/83 S1S(USIED \$3,07.87 approx 9 S/A-000125

9/9/83 Slay Clayton > Signa SIS #330:30 Seam 9/23 > Claylon SIS(USED) approved S.M. 9/23 9/16/83 Slory Sugma - Clarton AcetanduseD) 284,44 Clarton - Sugma Waste 1/20 approved, 9/23 (で) 9/22/83 Slan Clanton - Signa SIS B279,22 Signa - Clanton SISused approved S.M. 10/10/83 9/28/83 Slong Waiton - Signa SIS \$320,47 Signa Douton SIS(USED) approved Silvirolio183 # \$288.86 Sum Dologla Action (used)

append 9. M. 10/26 10/9/83 Slav Clayton Same attention active (100) 1-122.00 Janton Digno - Woote H20 approved Silvino 10/20 10/24/83 Slag Clayton Dunna (Ocetone)
189.000
101.85 Amune Clayton (Ocetone used
4 13.46 Amune Sproned Shirt 3
514.000126 approved S.M. 11/3 S/A-000126

Lay Sym - Vonton Octors (und Clayton - Superior Ocetone 5000 GACS, pucked up by Superior 11/9/83 Slay (242,00 chinge for 2 donné Clayton - Signa acitano Signa - Deloyton acitano (resed) 1/9/84 Slan 2/6/84 \$294035 approd S.M. 3/3/84 Slave Clayton DD Signa Westo H20 3/4/848180, append DM, a - Delayte Ocetone (ass. 51 13,46 PEA 3,03.58

Cig 3/7/84 Slavy Clayton - Signe Ocetone

Cig 1 269,98 Some - Delaytone aretine Cused

Cippined 4/6/84 Sins. 3/23/84 Slang - Trailer usage for Finten 66.00 Seatting Change 66.00 Pick up Change 110.00 1 day detention change 24 2.00 agg. 3/10/84 S.M. 3/29/84 Slay Clanton - Segma S15
Sigma - + Clanton S18 wied

#302.12 apper 5/11/84 S. M. 1/2/84 Slay Signa - Dayle ACETONE USED Clayton - Signa Waste H20 18318.64 approved Sin, 5/11/84 1,0 \$164.08 Opposed S.M. 7/6/84 willow to Clinton 4/25 Slavy Clayton - Signer Weste 1420 6 193:06 approved Shi 5/11/84 5/4/84 Slay & Clayton - D Summe Worte HEED 30 out change Shy. 7/6/84 S/A-000128

\$294.49 84.00 6 scale S/A-000129

7/3/84 Comm. Cart. Clark Sym 5/5 139,50 Jun. approved 7/10/84 1/1/84 Comm. last. Syma -> Clenton Ocetore (used)
56:00 at che Clanton -> Sugma Waste H20
353,00 approved 7/24/84 7/18/84 Comm. Cart. Clayton -> Signa (cetone 227:00 Signa -> Clayton SIS(used) ut. Clay 56:00 35500 argenies 7/24/84 7/27/84 Comm Cart. Clayton - Signa SIS (used): 309,00 Signa - Clayton SIS (used): 300 August - Signa Waste Hyo 453,00 Surv. agg. S. Nr. 8/484 8/14/84 Comm. Cont. Signa A Clinton SIS (USEO) 25 \$ 252,2 sc out + 28,00 \$ 380,20 Inv. app. S.M. 8/29 5 8/17/84 Comm. Cot, Claster - Sugar SIS week 43 Rc. 9 wt. 84.00 Claster SIS CUSEDS 485.60 app. 9/8/84 S.M.

10/2/84 S/A-000131

340,48 Clarte D Segme Waste water 34,000 homers & S. M. 12/7 11/15/14 Slay Clayton -> Sag aggrand S.M. 12/7 S/A-000132

1/16/85 Slay Sugma Dayton ACETONE (USED)

Bayton T Sugma WASTE HZD

\$ 318,50 app, 2/6/85 Silvi, 1/22/85 Slang Clayton - Syamo ACRTONE Sugmo D'Clayton ACRTONE (USED) \$300.00 agg. S.M. 2/6/85 2/27/85 Slay Clayton -> Signa ACETONE (USED) 3/1/85 Slay Clayton -> Signa ACETONE 321100 Signa -> Clayton SIS (USEO) 3/12/85 Slang Clayton - Sugma SIS (USED)
525 Clayton - Sugma wester H20 3/20/85 Slay Clayton - Sugma SIS 213, 19 Sugma - D Clayton ACETONE (USE) + 114.74 Jm. approved 4/13 8.1/4

4/1/85 Comm. Cont. Signa - Clayton actions \$ 225,00 Inc. approved. S. Mr. 4/18/85 4/4/85 Slay

1 200,00 Signa -> Clayton Ocetone (used) 4/12/85 Slave Clouten - Segma Ocalone \$338.86 Segma - Clayton SISCUSED 4/19/85 Slove Clayton -> Segme SIS (19/85 Signer -> Clayton SIS (med) 4/29/85 Slay Clayton -> Same SIS (used)

318.95 Sagna -> Clayton SIS (used)

200.00 Clayton -> Sagna Waste H2D.

\$518.95 Inv. aggerned S. M. 5/11 5/3/85- Slay Signot Claritan Acatom (uses) 1224-85 8 M. 6/11/85 5/8 Slay Clayton SIS (used)
325 Syma Dayton SIS (used) S/A-000134

5/17 Slay Clayton - Sigma Treton 4-323,79 Sigma Dafons SIS(used) 5/24 Sloy Clayton -> Signa SIS 324.88 Signa -> Clayton aceton 200.00 Clayton -> Signa worter \$ 524.88 Signa -> Clayton -> Signa worter 527 Clayton - Sugma Weste H20 1/19 Slay Clayton Signa SIS(OSEA) 7/1 Slay Clayton -> Summer SIS

212.00 Signer -> Clayton Ocething

320.00 S.K. 18/9 1/12 Slay Clayton - Sugma (Leelonia 210.60 Sugma - Olayton SIS(use 0) B25.65 april 8.14. 8/9 + 34.00 Demunique 7/24 Slay Suma -> Clayton Ocetonomical
301,20 205,20 - Blayton -> Sugma Waste H 20
218. M 8/9

10/2/85 Slon Clanton -> Sugar -> Alaylan aretone app. 10/15 S.M. 5- 10/8 Slav Clayton - Segma SIS need 10/16 Slay Clayton & Signa acetanand 1345.65 Signa Douton acetanand Clayton & Signa Worte HO agg. 11/18 Signa Clayton SIS Carely 122/93 app. 10/17 10/28 Slay Clayton - D. Syma acetone 353,26 Syma - D. Clayton SIS(used) agg. 19/11 S.M. 11/11 Slang Claritan - A Signer SIS (use of B339,50 - 128,00 Change to Holiday Insmall approved 1/10/86 2/3 Slag Claryton Denne SIS 329.58 Signe Delayton SIS used 200 Clayton Degna Wasti H.D. \$559.58 S.Tu: 1/10/87

S/A-000137

SOLVENT RECOVERY RECEIVING AND SHIPPING

WEIGHT /gallon ACETONE 6.59 #/gal 94% 515 6.72 16/gal LEGEND! SPECIAL INDUSTRIAL SOLVENT (PM400)

OLB = OPERATION LOG BOOK

10-19-14 of page

obto pay 10 29-74.

· paid 11-6-74

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		DATE	MATERIAL	SHIPPED OR RECEIVED	QUANTITY	ASSAY	SIGMA	E TOTAL	
<u></u>	j 			KECEIVED		REFERENCE	NUMBER	SHIPPED	
<u>.</u>									
	<u>.</u>				actual 4044				
		8-1-74	ACEONE	?	4050	÷	84C-7990	4050 GM	a
		2-4-74	SIS	SHIP	700 GAL	018-15		4750	7
		8-5-74		SHIP	820 GAL	(A) 153	846 7992	5570	3
, ,	540	8-13-74		SMP	46067 GAI		846-7993	10232	4
	1991	8-20-74		SHIP	7794 GAL	016-39	184C-7994)	13026	5
ं ।	esit	8-227		Reco	ait wabs	BLB-47	1135		
	paid	8-7674		SHIP	4000	01B 51	840-7995	17026	
Ĭ		828-74		RECD	6400	olb 6/	7 -∟`#*	-	1
	hud	8-29-74		SHIP	ルルル スクスム・		846-7996	2 0762	7
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	 -	. '	•		4 700 Gal		94C-7990	2546 z	
		9-5-74		SHIP	30 200 200	01882	,79. 1770		9
		9-1174			4314 GAL 37080 +5				1
•			· 1	i l	5297GAL	<u>.</u> •	9116-7001	30170	
	-		515	SHIP	4668 GAL	√	946-7991	30130]
4			SIS Weste	1	25280 AA	OLB 86	0.0-7007		
:			1 _	SH IR	3773 GA4	1	940-7992	33903	10
1			L 515	SHILL	1770 GAL	OLB 97	944-7193	356731	U
		9-2014	S15 Went		31440 485	OLB 101	S	<u> </u>	
	<u>.</u>	9-2674	\$15	SHIP	4692 gal 30540 485		946-7194	40365	12
n Rey		10-1-74		SHIP	4634gal		1044-1990	44999	17
ر. احداث		10-1-74	BLAB	SHIP	100 GAL		10 Li	45099	1
4. H	A	10-7-74	ACETONE	SHIP	30329 LBS		104C-7941	4970 e	4
	10-7-74	10-7-74	LE ETONE	Recid	40620 48	Y S	· ;		
		10-11-74	1	SHIP	19760 LT 4516 GAL		1046-7992	54216	15
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101 825 S/A-000142	Q 3		
17.75 pd 14. 15. 16. 17. 18. 19. 19. 19. 19. 19. 19. 19			22
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Dandon estimated tare of 29,200 a		<u> </u>)
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S/A-000142			.
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,		DATE	MATERIAL	SHIPPED RECEIVED	QUAUTITY	ASSAY Reference	SIGMA LOT NO.	& TOTAL SHIPPED	
		10-11-74	11116		48060 LB 6830 GAL 20240 LBS				
x 11-6-	24	10-18-74	515	SHIP	3012 GAL 30240 485		1046.7993	57228 GA	16
	od.		SIS WASTE	Rec'o	27 4 5 M 702 17560 LBS				
rd		10-23-74		2HIP	2597 GAL 27120 4.85		104C-7994	59825	17
		11-4-74		SHIP	4000 GAL 31546		1146-7990	63825	18
	12.	11-27-74		SHIP	4652 GAY		114C-7991	68477	
	ed =	1 ' '	SIS Waste Accorded	Rec'd	est 10500 GAL				1.9
					40 100 181				+1
	i	1 1	SIS Whate SIS	Recd	5107 gal 34320 48	woogal) h.E.C	5/07	
· ;		4-14-75	ACETONE WASTE	SHIP RECLD	7000 GAL	13000	45C-		A. salda
	<u>-</u>		ACETONE	SHIP	5970 gal 39340 B			11037	
	ļ	1 11	1 SIS WASTE		~ 6900-6AL 46960 LB	13,900		1	
		5-9-75		SHIP	22060 LB 3347 GAL			14384	i pres
· · .		5-9-75	ACETINE	Recid	1000gal	76,900			
	; 	6-10-75	ACETONE	5417	35 440 4 Tuer 5 3 78 GAL			19762	
		6-10-75	315 WASTE	Rec'o	48240 LB 6800 GAL 33340 LB	33,700			1
	}	7-7-75	SIS	SHIP _	4932 GAL		·····	24694	-
· · · · · · · · · · · · · · · · · · ·	}	7-7-75	Siste	Rec's	~ 5800 6AL	39,500		-	- 4
		7-30-75	515 515-	SHIP	31580LB	. .	.	29/94	- -
٠		7-30-75	WASTE	BEC'D	30940 LB	44,100		ļ	
		8-6-75	818 515	SHIP	4600 gul		(<u></u>	33.794	4
ب س <u>ست</u>	√	8-6-75	WASTE	REC'D	31140 gal.	48,700	ر ۹۰ .		
<u></u>		8-1475	315	SHIP	4634 gal		. ما مصدر الأراد الما الما الما	38428	
- ·	ļ	8-1475	SIS WASTE SIS	Reco	22960	30, 320	1400		a i spirate
· · · · · · · · · · · · · · · · · · ·		8-14-75		REC'D	31060 you	57,900	6.2,500	M 79 A 77 #	
	<u> </u>	8-28-75	713	SHIP REC'D	462290			43050	-
	-	8-28-75	י און ש	VEC D	~ 4600gal	62,500	~ ~	S/A-000143	
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N.		DATE	MATERIAL	SHIPPED RECEIVED	QUANTITY	ALL STAN	SIGMA LOT NO.	SHIPPED YTD	
		9-17-75		SHIP	31,100-13		950-	47,680	
		9-17-75	515 mud	Rec'd	32860 4 6 3 0 gol 26 090 LB	67, 100	;		
	/	9-17-75	SIS, HEET	RECO	3650 pel	70,750			
		10-2-75	Sis	SHIP	31200 LB 1			52,32 2	
		10-2-75	SIS USED	Rec's	32980199 ~ 4600 gel 29400 1004	75,350		5	
	<u></u>	10-22-75	SIS	SHIP	~ 4375 year	·		56,697	
	<i></i>	10-22-75	SIS USED	Rec'o	13160 cd	79, 950			
	 	11-7-75	515	SHIP	18660 VLB			59,473	-
L		11-7-75	SIS USED	Rec's	32580 48	84,550	0		
<u> </u>	, 	11-11-75	\$15	SHIP	7×55gal=385		7	59,858	
الم المنابعة	<u> </u>	11-12-75	ACETONE	Rec'o	6400 GAL	90,930	1	() · · ·	
		11-20-75	ACETONE	SHIP	3596 gol	<u> </u>		63,454	
<u></u>	<u> </u>	11-20-75	ASIS	SHIP.	31600 lb.			66,171	<u></u>
		17-20-75	ACETONE HCETONE	Rec'd	31420 UV	95, 550		1	*
.; ;		12-475	ASETONE	SHIP	39580 Mb	1	<u> </u>	70,939	
	<u>'</u> ×	12-4-15		REC'D	~ 5 700 GAL	100,750			i
<u> </u>	! 	12-11-75	ACETONE	SHIP	5068 GAL	106,550		76,007	
.1		12-11-75		RECID	19760 LB	106,250	37850	7900	
<u> </u>	 · .	12-13-75	1	SHIP	2940 BAL 18980 LB	<u> </u>	1	78,9.47	
	- : ,	12-19-25	II.	SHIP	2820 GA	110,750	34050	81,767	
<u> </u>		12-13-15			~ 4200 GAL	1 13,450			
<u></u>		12-19-75	SIS USED	REZD	finished recl		auto 400/12-3	V-17 = 3850 gal	
				1	4490		1		
	·- - -	1-16-76	4	SITIP	3014048			7	- -
		1-16-76		:	25 440 Ga	6800		135-1-11	
	ļ	2-16-76	i .	SHIP	3789 GAL 48480			8279	-
		2-16:76	1 .	Rec'n	- 5500gal	<u>.</u>	S/A-000144	T#5 11	<u> </u>
	<u> </u>	3-15-76		SMR	3560 44			1.118	
	A	V 15 /6	ACE W	Rech	6900	13,700	as a constant of the same of t	According to the second	A. W.

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	461	
	7FLA	
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	20012V	
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7	RAS			•			:	ļ	. •	
	2022	MATL	SHIPPED :	QUANTITY	CUM. TOTAL	LOT NO.	CUM, TOTAL			Di
'≔'.` `										 =
		Acetone	3:16HIP	5050 GAL		1 : .	16,8 89			12
· A		518 (USED)	NECO							1/2
	4-16-76		2HIB	40,000 cys	1	harm.	7 42,339	{		AC
		Sis(used)		- 5500 gal 1 38080 V- 05	124,300	! 	27,999			o C
- "\		515	SHIP	766094	29,800		7,7,7		!	
	5-6-76	Sis (Viseo)	Rec'o	~ 5500 gell 38760 LB	1 -1					1.
	5-6-76	515 (USED)	REC'O	~ 3900	33 700					1
6	5-21-76	315	SHIPPED	4130	· · · · · · · · · · · · · · · · · · ·	,	32/29		· · · · · · · · · · · · · · · · · · ·	2
	5-21-76	SIS (USE)	Rec'd.	4820 gel	38 520	<u> </u>		#		2
3. 3.	6-4-76	SIS	SHIPPED.	6600 gal		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	38,729			17
	6-4-76	SIS (USED)	Rec'D	2932018	42,720	1				L
	6-29-76	518	SHIPPED	29440 4 4390 p		<u> </u>	43,119	}		1
and disco	J _	SIS (USED)	Reco	3532048 25000 gal 28700 140	47,720	•		<u></u>		1
	l E	SIS	1 }	4-260	Y (4.1	47,379	}		1
8		SIS (USED)	l i	5750gal 40,940LB	53,470	1. 1	1 No. 10 1		· · /	1:
	7-29-76	1	SHIPPED	35 120 18			52,609			
	1	(S15 (450)		38520	58 970		1. 1. 1.			1_
1		315	SHIPPED	25720	1	2 100	56,439		}	
	1	515 (Wed)	Rec'D	47020	65,600				امر ۽	1
	8-20-76	1 1	REC'D	23000	68,9.60					
	9-9-76		Smiles.	45040 LB	1 1		63,139		· /	1
:	9-9-76	1		1, 47,200 4	1					
j	10-13-71		SHIPPED	37180 H			68,679	·	. 4	
-	10-13-71	1))	47160 m	82,310					1.
	11-11-76	1	1 1 - 6	50,280 100.	40.50	1.1				7.
;	1		Surred	44460	A 1 1 1		75429		<u>-</u>	†,
	11-23-71 23-71 11-2-4-76		1 1	43400		 	13441			1
	'	1	1 :	6130	95 640		S/A-000145	*		1
	1 11-24-71	ACE (USE	Rec'o	5900	101,540	Eller de	ンパー・000 [45] 計量	·		4
	uanse i i i i i i i i i i i i i i i i i i i	The manufacture and and	Maria Maria	المنائلية والمنائلة			المأدن والمستنصر والمسالفة		آران المستقد كا	460

					···				4
···		DATE	MAT'L	SHIPPED PECID	QUANTITY	TOTAL, USED; GAL	L'OT NO,	CUM TOTAL YTO, RECLAIM	
		12-22-76		SHP	44180 LB 6692 GAL			8.8/21	
		.12-22-76	ALETONE	REC'D	50420 CAL	108740			
			ound as of 12-3		7 102 3000	ALSIS PALSIS PALSIS PALACE PALACE	105. HT Brows STG 2000 gel SPARE MT 205' MT 206 MT	TRAILER MT REDUIER 300 july	2
	<u>.</u>				36440 48		206 MF		<u> </u>
-,		1-14-77	515 (usa)	REC'D	2 5000 GAG	5000		,	<u> </u>
		1- 3-77	SIS (USE)	RECO	3/120 LE ~ 42004/1L	9200		, , , , , , , , , , , , , , , , , , ,	
		2-7-77	ACETONE	SHIPPED	+ 26800 LB			4067	
		2-18-77	\$15	8419	1 45 400 W		:	10817	
	- /	2-18-77	SIS (USEO)	REZ'D'	46980 LB	15900			
		4-14-77	SIS	SHIP	35020 18 52106	<u> </u>		16047	
ار كــــــــــــــــــــــــــــــــــــ	/	4-14-77	SIS (USED)	REC'D	47 400.48 6700641	22600	,	1 1000	
·	+	4-22-77	Acctone	Reco	3542018 5060gd	27660			
		5-3-77	•	Seno	34240 BO 5100 gal			21127	ļ
	, /	5-3-77	515 (USED)	Rec'o'	4866 gal)	32460			<u> </u>
L)	_ ACETONE	SHIP	+ 3280 gal			24407	<u> </u>
	/	<i>X</i>	SIS (USED)	, I	36320 VB 5150 gal	37610			<u> </u>
·			515	SHIP	45100V	·	63940	37737	
		1.	3 15 (USED)		47600 LB'	44360	10,060		
		1 .	515	SHIP	33260 4 1 4950 gd	1		36087	L
		.1 1	S15 (USED)	Rec'o	46800 40 y	50900	· ·		- - -
		6-2877	•	SHIP	34820 481 5180 get			41267	
	+	}	Ace (usp)	1 .	5000 GAL	55900	<u></u>		
	<u></u>	7-7-71		SIMP	23820 48 (1)	gal -		44937	
	/	4 '	\$15(USED)	1	47200 28 6700 GAL	62600 57600	dis		
1		7-26-77		SHIP	367406		deduct 55gel	_	
 		1	Sis (used		395006	68470	**	50,35 E	;
		8-9-77	••	SHIP	3706065	1 7 1		5\$,867	- -
3			SISCOSE		6.515 CAL 5.530 CAL 3.5130 CAL	74,000		d Teronal	المالية
		Total Control		- Contract - Contract					المستجدار

			· · · · · · · · · · · · · · · · · · ·
٠			CUM, TOTAL COM- TOTAL
DATE	EMAT'L	SHIPPED RIEVO	QUANTITY DSENGAL COT NOT GARLE
222		SHIPPED	86,500 # 57,865
8-26-77	0.01	BCYD:	46940 LO 80,500
V 8-26-77		RCVD	29020 602 07 000 61000
19-8-77	1 1		35006AL 86,000 414/72048 6,655684
10-3-77	\$15.	SHIPPED H655	127.840 1.77 1.77
10-12-7	REGI, ECOLOR	SHIPPED	277700
4 10-12-7	T ACKTONE	RCVO	19906AC 11, 870
10-17-	ACETONE	SHIPPED L	10.10.0
,	7 ACRIONA	RCVO.	6700 GAL 178,0 10
	7 ACETONE	RCVO	37000 541 10409 01 35,090 35,090
V	15/508	ecra.	483480car 110,890
	ACETONE	\$H. 573	THE SHEET STREET
			Control & Kell
			OLVENTATE LAYTON & ZERD
		Ŧ	
	USED S	SATO	LAYTON = 12,000 GAC.
			41110# 5830 GAL 5830 G
13-	78 5 1 S USE	RCYD	5 830 GAL U 830
1-9-	N SIS_	SHIPPED	2/685GA
1-9-7	& ACETONE	RCVD_	36,600 10,780
1-17		SHIPPED	3472600
	78 515	SHIPPED	26.960# 11,867 4012cac
	78 ACETONE	RCVO	28,460 th 14,845
	-78 ACETONE	SHIPPEL	22,360 + 16,562
1-06	O USED	RCVP	28,320
D. 1	-78 ACETONE	1	18,600# 18,330
2.8-	0.46	SHIPPED	47,140 d 25,365
2-8-	RECLAIR	į.	23/5004 21,896
2-8-	18 KETONE	SHIPPED	23/3566 GAL 31,865
20-2	7-18 SIS (USEC		28,457
2	7-72 5/5	SHIPPED	6567
		THE PARTY OF	

PAGE TO A					, ,			
7	DATAS	MAJL	RCVDIOR SHIPPED		CUM. TOTAL USBATGAL	hot #	CUM. IOTAL RECL. Y.T.D.G.	268
56	3-14-78	Sis	6893GAL	6893			35,352	
	314-78	SIS (USIZO		48420 6890Gn 26,980£	38,755			
	3/30/78	SIS	40 FER	4015 644			39,367	
0 7 20		SIS(USED)	48,4604 ~ 69900 01	~69000ALI	45,655	· · · · · · · · · · · · · · · · · · ·		
0	4/13/78	S/5	SHIPPED	36,080 d			42,512	
	4/13/78	SISIUSED	RCVD,	5140 GAL	50,795			
0 747	4/13/78	S/S(USED	RCVD.	5060GAL	55,855			
	4/25/78	8/5	SHIPPED	68366AL 33060#			49048	
·	5/3/78	S15	SHIPPRO	483804	}	<u></u> .	5-3968	
Ž	5/3/78	SIS (useo)		40,400 H	62,355			
	5/16/78	ACRIONE (USES)	SHIPPED	46,220° 46,220°	68,965		59,980	
	5/16/78		REVA	32,740±	68,780			4
	5/22/78	ACRTONE ACETONE		38,060 4	77 / 1		64948	-14
	5/22/18	ACETONE ACETONE	RCVD	33,200 ± 5038cm	74,565		69,986	7. 19.5
	5/30/78	ASISUSED PLEASED	RCYD.	47,7004 6580cm	81,065		67,786	200
-	2/9/78	SIS	SHIPPED	44,840 to 6673 cm	1		76,6591	
	6/9/78	315 WSED	RCVOT	47,680±	<u></u>		17/1	1
4-5	6/22/78	\$15(usao)	RCVD.	46,200 £				
7	18/24/78	SIS	SHIPPED	44,840H 66736A	,		83,332	
		SIS(USEB)	RCVD.	47,480 # 6500 GAL	100,765		16-65-616-6	-
A.	4/10/78	SIS	SHIPPED	44,880 # 60.	107,365		90,011	
	7/10/78	SISCUSED	RCVD.	46800#	L-1-0-1-			
2	8/7/78	1915	SHIPPED	45,000 ± 6696 GAC			96,707	-
	17/78	ACETONECUS	D RCVD	6800 GAL	114,165	'	/	-
16	28/78	1315	SHIPPED	41,740# 6211 CAL		<u>'</u>	102,918	
	129/18	SISCUSED	RCVD	34,460	120,765			-
		ACETONE	SHIPPED	5229 5A			108147	
		dictional (1994)	WE US	Townson.	127,465			3.0

	; ;	•			•	 	
The	101	SHIPPED	6	YiTiDi Cum	"hor "	CUM, 10174	
DATE	Į.		32,220 =	TOTAL USED GOL	101	Y.T.D	
1 ,	& ACETONE	<u>.</u>	4765 GA			113,112	
9/12/78	SISUSED	RCVD	39,540 a 5500 GAL.				5
9/19/78	SIS	SHIPPED	42,940 GAL			119,502	2
4/19/78	SISGUSED	RCVD.	46,670 to	139.665			3/
	SIS	SHIPPED	42,720H	<u>د</u>		125,859	3/
1	USEACETON	1 ''	5500GA	145,165			3
	SIS	SHIPPED	32,660 48606A			130,71	3/
	S15 USER	1	58,480±	1 , ,			
	8 SIS	SHIPPED	45,200 th	70001		137,4	4
1.10/2	481S(used	RCVDI	47.460 E	158,666	ړ نه	127	4
11/1	8 815	SHIPPED	449204 6685 GAL		ریم مصحفیدی در ۱۳۰۰ میباشد کا طو فر	100	
, ,	8 SI Susad		47060A	115 111			
	515	SHIPPED	45420 4 6759 CAL	1	<u> </u>	1508	
	ASETONE		46620 H.				
T1	u .	RCVD	1500 GAL	. '		100 X	
	ACTETONE		4783 GAG		٠٠٠ <u>٠</u>	155,67	5
	3 5 (0500)	1	26060	178,166		7	5
	15/5/68	SHIPPED	48 2404		ئے ایے	163,	ك ـــا
12/29/	7	PCVD	680001	184,966	المحددة الم	1/9/	
	_	* '*, . ,	- K. 9 3 3 4 7	1 0.22	10,000,00	5 8 /10/	
1	J.,	ļ	6 P.N.		12/12	184.16	27 23
<u> </u>		<u> </u>		V 10 10	1500	12. VI/65	
			1963		*	10/128	
		ै इंज <u>== 100१4</u> स	2333	1. 00.23	الح المارية	1 84/11	
					7 \ 0	2 0 7	
	,		Standard Control	Carlon	ing to	27-19	
			The same of the sa		4 2 1		
			13.00	1		1	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A TO THE TOTAL A			
	S/A-000149	Transition of the		The same	2.3	7	
4444		A. S.		The state of the state of the	- 1.4 & 4.4 £ 4.0 £ 5.1	A STATE OF THE STA	

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	DATE	MAT'h	RCVD	QUANTIT	TOTALUSED	RECLICUM.	1
	2/8/79	SIS (USED)	RCVD.	48,300 EM			
1	2/20/79	515.	SHIPPED V	39660# 5902ca		5902/	
	P/20/79:	ACETONE	RCVD,	498804 6800GAL	13,300	•	
	3/5/79	ACETONE	SHIPPED +	35700 €		11,319	
	\$/5/79	515 (USEO)	RCVD .	670000L.	2000		
	3/15/79	515	SHIPPEDV	47,500 H 6800 GAL	i ' .	18,119	
1	\$115/79	S15 (USED)	RCVD 1	49,200H			
1	4/16/79	515	SHIPPED	40380# 60096A		24,128	
	4 16/19	ACETONE	RCVD.	47240# 6800GAL	33,600		
	4/23/79	ACRTONE	SHIPPED +	36160 × 5487 6AL	/	29,615	
	4/23/29	SISCUSED	•	46780 4 6600 GAL	40,200		
	5/11/79	315	SHIPPED	44780 M 6664 GAG	, and the second second	36279	1.5.2.m.5
-	5/11/79	SISCUSED		4/860E	46,104	\	70
	5/18/79	S15.	SHIPPED	· ·		42,282	
	5/18/79	ALRTONE RCVB (SRD)	RCVDI	6003 AC 42328 5500 GAC	52,004		1
	5/29/79	ACETONE	SHIPPED +	297600 4016 GAL		46.798	
	5/21/79	SIS(USED)	RCVD	43200 H	58,154		
	6/8/79	1515	SHIPPED	44240 £ 6583 GAL		53,38/	4
	6/8/79	ACETONE	RCYD	42060 H 6000 GAL.	64,154		
	136/8/89	315	REVD.	43 36 0 H	70;174	10000	1
I	9/06/79	ACETONE.			(13.00)	5836/	
	6/26/79	SISUSED	RCVD , I	450200 60000AL	76,174	1 - 2	
	7/5/79	SIS	SHIPPED	6565 GAL		64,926	1_
	7/5/79	SISCUSED	RCVD.	438204 6000GAC	82174	. · 	1
1	7/18/29	SIS	SHIPPED	41980# 6247GAL	·	7/1/3	
A Company	7/18/79	ACETONELUSE		43,300 H 6000CAL 31,600 H	88,174		
14 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	7/26/79	ACETONE	SHIPPED	4795 GAG		75,968	
A CONTRACTOR	7/26/79	SIS (USEN)	•	43040# 60006AL	94,174		-
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	i				•			JL	
٦	DATE		MAT'L	BHIPPED RCVD,	QUANTITY	Y.T.D CUMI TOTAL USES	TOTAL RECO		
	8/8/79		\$ 315	SHIPPED/	60426AL		82,010		
	8/8/7		SISUSED	RCVD	43,000 6000 GAL	800,1240			
	8/24/20	9	315	SHIPPED	34040H		87,075		
	8/24/20	1	SISUSED	RCVD.	35540 5000 GAL 45220	105,174	\$ <u>\$</u>		
	9/6/79		S15	SHIPPED	6767 GAL		-93,804		. 5
	9/6/74		SISUSED	revo.	43620 40006A	111,174		_	
	9/479		ACETONE	RCVD	48,3300 CM			_	2
	7/13/7		ACETONE	SHIPPEDT	28,940± 43080#)	48,196-		2
	9/13/7	, ,	SISCUSED	RCVD.	n U I JUDIN	123,1746	700		2
	9/26/7		SIS	SHIPPEDL	44580 H	J.	104,830	4	2
-	9/26/7	`]	S/Scuses	RCVD.	43,9000 610066 33080H	1,29,274	A 0	1	2
: ::-	10/3/7	1		SHIPPED V	4923 ca.	1.7.7	109,753		Э
1	10/3/79	<i>;</i>	SISCUSED)	RCVD	6700GAC 43308#		V	-{-}	_2
	(10/17/79		ACETONE 1840 RECLAIMENTED	RCVD.	6572GAL	142,546		-	2
_	1977		CIC	SMITTER	454204	1000	911 (17)	-	-5
<i>u</i> .	10/191	79	S15 CACETON DUSED	SHIPPEDV	46670E		916,512	-	3,
	10/19/				42720 t	ጎ			:
_	10/25		ACRTONE (USED	SHIPPED	47,000 -	4	122,904		
-	10/25	,	HCETONE)	RCVD,	40,640 M	1 2 2 8 4 6 3	1	-	-
-	11/2/	/	ACRTONE	SHIPPEDT	48,660_		129,071		
-	11/21	79 79	SIS (USED)	1	34,500		184,205	+	
	11/15/	179	ACRTONE (USED)	SHIPPEDV	\$134 CA		1-127)	-	
-	11/29	79	١ .	SHIPPED +	26,000 A		13 Ch 150	1	
	11/29/	74	SISCUSE!		3.945ca 41,700± 5600GAL	ولافت من من ا	Ten Diversi		
-	12/10	ha	ACRIONE	RCVD	47,320				†
,	10110	<i>ֈ_</i> ֈ	17612101012	KLVV	To low U	19999			1
				Triple Section	A STATE OF THE STA	100000000000000000000000000000000000000	to the same		†
					+, <1 +J <1.	Transfer A			†
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NA NA		DATE MATIL REVBI QUANTIT		QUANTITY	CUM. USEA Y.T. C.			
0	#	1/24/89	5/5		3943GAL			
-			ACRTONR	SHIPPED	26500# 49620#		73943	
<i></i>		1/24/80	HCRTONE	RCVD. +	6700GAL	6700		
<u> </u>		1/29/80	ACRTONE	SHIPPED	6844 GAL		10,787	
1		1/29/80	ACETONE	RCVD. +	48240# 68006AL	13,500		
4		0/8/80	ACETONE	SHIPPED	43940H	•	17,445	
		2/8/80	ACETONE (USED)	RCVD. +	29960H 5600GAL	19,100		
		2/14/80	\$15(USED)	RCVO	48,460 6700 GAL	25800		
-		2/15/80	ACETONE		29480 H 44736AL		21,918	
				SHIPPED	473404			
3		2/15/80	SIS(uses)	REVD	V 6700 €AL	32,509	1.5	
		2/15/80	SIS (USED)	SHIPPED	6500 GA	38.258	, 28 418)	
		1 1 1	RECE HCETONE	RCVb. +	6258CAL	3405	2	
5		2/22/80	ACETONE	SHIPPED	35,300 £ 53576AL		£ 33,775	
		3/22/80	BAD ODOR	RCVD, t	25,500 H 3869 09K,	75,127		
	A SECOND	3/29/80	ACETONE	SHIPPED	38060# 748656AL	1.40 X1.47.	38,640	
		2/24/80	SIS (USED)	RCVD -	V356800 50000	80127	Q 17.	
2		3/6/80	315	SHIPPED 68	458204 186953-CAL	,	45,45-8	
- F		3/6/80	SISUSED		H806aH	87,027	95,93	
,], -			_ `	1	28940 CAL 4307 H	01,001	110-215	
1		3/26/80	515	SHIPPED	42080 4		49,765	
		3/26/80	ACETONE(USE	RCVD +	32540W	61,227		
-		4/2/80	ACETONE	SHIPPED	4938 CAL		54,703	
	(3	4/14/80	SISCUSTED	RCVD	13912006A	67,027	¥	
3		4/29/80	ACRTONE	SHIPPED	30140 H 45746A		59,277	
		4/29/80	SIGUSED	RCVD	V 34140 #	1	(-523	
D		5/1/80	915	SHIPPED	39960 5946 GA		1	
		5/1/80	616/10		VUC500	1		
			915(USRED)	RCVD	45060 E	~	26928	
		5/13/80	<u>S15</u>	CHIPPED	1 / 1000000		PP 150	
	-1	5/ 13/80	SISCUSE	RCYD	14694D 67000AC	85,227		
		5/2/90	LASTE YA					
ۇ ئى ئالىدىن ئالىدىن	1		7.11	55/	(00 515 mm.	25,800 ac	L .	

35 QU 37,719 YITI O. CUM Y.T.D.CUM. .12 BITTO E OJAL USED. 6/9/80 4813612 76,741 720 GAL 10/9/80 HIPPED 91,927 471940 1 6/9/80 \$15 (USED) 82,646 2 C.V.D... 39680 H 6/3/80 BIS SAIPPED 6600 6 R G 43,800 # 98,527 RCVDI 6/3/80 SISCUSED 89,164 6518GAG SHIPPED 2 80 PCVD 1/2 51/5/60 6600 GAL 51111160 7/10/80 46,980 45,980 105,127 2/80 SIS (USED) RCVD, 94,488 35,780 tz SHIPPED 7/10/8/515 6600 GAL 15,920 H 3600 GAL 36260 H 171,727 7/10/84 SIS (USED) RCXD 117,327 RCVD 7/25/80 SIS CUSED) 35480 5 6280 6AL 32660E 99,768 SHIPPRD 413 80 SIS 22,327 S(13/80 ACETONE (USEN REVDI 240804 36546A 42240 65006A 44,840 46736A 103,422 SHIPPED 5/21/80 ACETONE 128,827 SISCUSED RCVDL 8/21/80 110,095 SHIPPED 4/16/80 39120H 5600 GAL 134,427 ACETONE (USES) RCVD. 9/16/80 29,340€ 114,547 4452 GAG SHIPPED 9/23/80 ACETONE 46,920 = 141,027 SISUSED 6600 GAL RCVD " 57121,124 9/23/80 44,200# S15 SHIPPED 10/6/80 44,000# 6500GAL 147,527 SIS (USED) 127,841 RCVD: 10/6/80 45,1400 SHIPPED SIS 341404 BAL 132,921 10/23/80 1541127 SHIPPED 11/4/80 154,127 GOOGAL (USED RCVD 34180 = 34180 = 44,9400 = 610,96Ac = 33060 & 5700 = 610,96Ac 11/4/80 138,108 HCETONE 11/14/80 ACETONE SHIPPED 160,227 ACETONELUSES 11/14/80 RCVD.

5017 GA

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46900

SHIPPED

RCVD.

ACETONE

SIS CUSED

12/11/80

12/11/80

66,827

		60,80	42 65 5	27 GAL	ACEFONE S	crb
.070	12/31/80	SIS	SHIPPED	421280£ 68876AL 48,460£ 68006AL	150,012	
41	12/31/86	SISCUSED	RCVD .	48,460# 6800GAL	173,627	
16						
4						
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18						
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422			-			
	3.					
,95					·	
47						
21,124			<u> </u>			
841						
.108						<i>i</i>
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		DATE	MAT'h	ACVD. OR SHIPPEN	QUANTITY	Y.T.D. CUM TOTAL USED	Y.T. A CUM TOTAL RECL
		1/29/81	S15 =-	SHIPPED	4771 GA4	· · · · ·	4771
		1/29/81	ACETONE (USED)	· · · · · · · · · · · · · · · · · · ·	32,280H 4750 GAL	4750 0	
	1	2/10/81-	ACETONE-	SHIPPED	26,88# 4 4097 GAL		8868
		2/10/81	11 (USED)		48,460 EAL	11,350 (1)	
-		:2/19/81-	ACETONE	SHIPPED	32740 A.	n	13,8 %
		2/19/81	ACRTONELUSED	RCVD.	46186 B 6600 GAL	17,950 5	
		3/5/8/	SIS (USED)	RCVD:	47,580 G 66006AL	24.540	24085
-		3/13/81	ACETONE (REC)	SHIPPED	34,800 5,28/GAZ	1,5	18:11
		4/14/81	S15 '	SHIPPED	45,400A		36,54
		4/14/81	ACETONEUSED	RCVD.	50240±	31,250,4	£ 30,168
		4/27/81-	ACETONE	SHIPPED	28,420 A		35,150
÷,		4/27/81	SIS (USED)	Rero	GGOOGAL GGOOGAL	237,850	36,73/
		5/6/8/	S/5 .+	(.)	439804 6545644 468608		44.699
	<u> </u>	5/6/8/	SISCUSED	REND.	48380 48380	1 .	
		5/15/81	SIS (USED)		26700 GAL	451150	43,297
		6/9/81	515	SHIPPED	46,260	\	48265
		6/23/81	ACETONE		40940 H	57.8505	43,3897
		6/30/81	S15. €	SHIPPED	34280H		54,357
		7/9/8/ -	ACETONE 1 (USED)	SHIPPED	5202 GAL		59595
	{	1 1	ACRTONE (USED)		32540#	64,450 4	1 0 1/0 4/7
-		7/16/8/	ACETONES	SHIPPED:	1 4438 GAL		64,497
		7/16/8/	HCETONE (USED)		469204 50064L	70,9508	64,135
		7/27/8/	ACETONE OLC	SHIPPED	46840E	K	64,103
		7/27/81	SISCUSED)	RCVD	28820 con	377,550	68, 924
		7/30/81	1515	SHIPPED	4289 GALL	h - 1 -	7-3-362
		7/30/si	SIS CUSTED)	RCVD	6600GAU	684,150	74,978
		8/25/81	SIS US	SHIPPED	451360 d	P1	7774
50	V031	8 25 8	FOR TONE (RE	RCVA	6600 GAL	90,7507	80,605
	1	9/1/8/-	ACETONE	SHIPPED	5627 GAL	r	\$5,523
/1	/ 人 · / 藻 l:	9/1/61	I TIM MICEN	ROUN	45980H	197,350	Andrew Commencer

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		RCVDIOR		YITD CUMI	YTO COM	
DATE	MATL	SHIPPED	QUANTITY	TOTAL USED	TOTAL RECL	DATE
19/21/81	AS18-7	SHIPPED	6607GM		92,180	4/26/8
9/21/8/	ACETONE (USED)	RCVD.	47,260 th	103,950	87,2,2	4/26/5
	ACETONE	SHIPPED	338404 5135 GAL		92,347	4/27/
	SIS(USRD)	R-CVD,	6600 GAC	110,550	97, 624	5/141
10/6/81	· •	SHIPPED	35460# 5277 GAC	• • • • • • • • • • • • • • • • • • •	102,097	5/141
10/14/81	SISCUSED	RC10.	46,720 E	117,250	104,216	5/28
		SHIPPED	44300H 6592cm	<u> </u>	109,184	6/9/
10/20/81	ACETONE (USED)	RCVD.	46540H 6600GAL	123,850		6/14
10/28/81	ACIETONE HOP	BREVD.	41,2000 6130 GAL	129,980		16/14
11/9/81	ACETONE	SHIPPED	34,680 <u>M</u> 526360		109,479	6/2:
11/9/31	ACETONE (USED	RCVD (37,100th 53000,10	135,280		6/2
11. 16/11	SIS -	SHIPPED	27,260±1 4057.Cm 33,620±		113,536	7/8/
12. • • • • • • • • • • • • • • • • • • •	ACETONE	SHIPPED	37,740 =	· · · · · · · · · · · · · · · · · · ·	118,548	* 7/13
(11/20/81	SIS -	SHIPPED	4872		123,420	7/1
11/5/81	SIS WEED	RCVD'	6600 GAG	141,880		7/16
11/30/81	515 (useo) -	RCVD:	44840#	148,300		7/1
12/4/81	S15 T	SHIPPED	6673 CAL 43600 SL	155	130,093	7/2
12/4/81	SIS (USED)	RCVD'	6100GAC	154,400		7/2
<u> </u>						8/1
; ; ;			5700			8/1
1/8/82	ACETONE	SHIPPED	347604 5278 CAL	<u> </u>	5275	9/16
1/8/82	SIS (USED)	RCVb.	47560H	6600		9/1
2/1/82	ACETONE (USEN	RCVO,	42960 EAL.	12,700	VALV.	9/1
3/11/82	ACETONE	SHIPPED	34440H 3226CAL		10,501	9/
3/19/87-	ACETONICUSED)	RCVDI	39,340H 60006AL	18,700		9/1
3/26/82	ALETONE	SHIPPED	3004015 45586AC		15,059	9/2
3/26/82	ACEJONE(USED)	RCVD	49420# 1500 GAL 30360#	25,200	ļ ļ.	4/
4/2/82	ACETONE	SHIPPED	4607cav	w	19.765	
4/2/82	ACETONELISE	USER	6600 CAL	31,800		
		BUSY	S.C. Marketter 17	March & W	THE STATE OF THE S	来

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, ; }			RCVD.		Y.T.D CUM	Y.T.D. CUM
5	DATE	MATIC	SHIPPED		TOTAL USED	TOTAL RECL
	4/26/82	SIS	SHIPPED	269800 40156AL		26,780
	4/26/82	ACETONE (USED)	RCVD.	43780# 6400 GAL	38,200	<u> </u>
	4/27/82	ACETONE	SHIPPED	37480 56876A4 46020#		29,467
1	5/14/82	SIS	SHIPPED	6699GAL. 48180 =		36,146
=	5/14/82	S1 S(USED)	BCVD.	6800 GAL.	. 45,000	
	5/28/82	SIS	SHIPPED	37880# 4149 GAL.		40,315
	6/9/82	SIS (USED)	RCVD.	42,380 ± 6700 GAL	51,700	
	6/14/82	SIS	SHIPED S	\$ 44,500 £		49,937
	16/14/82	ACETONE	RICYD!	44,280 d 62006# 43280 d	57,900	
79		ACETONE	SHIPPED	65686AL	<u></u>	53,505
)	6/23/82	ACETONE CUSED	RCVD.	35540 47,300 4	63,400.	
·	1/8/82	SIS CUSED	RCVD.	9 6600 GAV	70,000	
91	* 7/13/82	Acetone	SHIPPED	43,540 GAL		59,505
201	7/16/82	<u>815</u>	SHIPPED	6479GAC 37,980 #		65,974
	7/16/82	SIS (USED)		46180 E	76,000	
- 2	7/16/82	SISCUSED		\$ 44,200	82,500	<u> </u>
93	7/28/82	SIS CUSED	RCVD.	35,480 #	89,000	
	7/28/82	SIS	SHIPPED	5723GAL	<u> </u>	71,697
	8/18/82	915	SHIPPED _	6646GAL		78,343
	8/18/82	SIS (USED)	, ,	451204	95,100	1
	4/10/82	SIS	SHIPPED	6714GA		85057
	9/10/82	SIS (USED)	1 .	46,840 H 6600 GA 46,280 H		
	9/13/82	HCETONEGUSE	1	6600 GA	108,300	
		ACETONE	SHIPPED	41,9204 636/6R	+ 1/2	91,418
	7 7 1	SIS CUSED)	1	3 0 200 GA	114,900	
	9/23/82	SIS	SHIPPED	1 5/04 GAG	j	96,522
	9/23/82	ACRTONQUERE	RCV De	34,940 F	119,900	
5			ļ		1	
	- JZ		<u> </u>			S/A-000157
W	*	PIRKEN	LUP RV T	SUP	EBIOR	2,71.000131

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		SHIPPED	<u> </u>	Y.P.D CUM.	Y, T. D. CUM	
Darce	MAT'L OFF COLOR	RCVD RCVD	42,740 H	TOTAL USED	TOTAL RECL	DATS
10/1/12	ACETONE	RCVO.	6486GAW	126,386		7/6/8
10/5/82	ACETONE	SHIPPED	36,440 5530GAL		102,052	7/6/8
10/8/82	PCIETONE _	REVD	36,1201± 54816A	131,867		7/21/
10/11/82	ACRTONE	SHIPPED	36,160 H	<u>.</u>	107,539	8/9/8
10/14/82	ACETONE	SHIPPED	36520 ± 5542 GAL		113,081	8/9/8
10/14/82	ACETONA (USED)	RCVD	44,460H	138,467		8/2,
11/4/82	SIS	SHIPPED	35520# 5286 GAC		118,367	8/2/
11/4/82	ACETONE (USED)	RCVD,	25.6000 4500 GAC	142,967		8/24
11/12/82	ACETONE	SHIPPED	441380# 6735/11 CAC		125,101	8/34
11/12/82	SISCUSED	RCVD	48,800 66006AL	149,567		8/3/
12/16/82	ACETONE	RCVD	46340R 6500GAC			9/21
		190	3			9/2/
၁		110				9/91
1/20/83	ACETONE	SHIPPED	34,9000 5296 GAL		5296	9/91
1/20/83	ACETONELUSED	RCVB	26,520# 4500GAL	4500		-9/16
4/15/83	SIS	SHIPPED	30,2404 4500GAL		9796	9/22
4/15/83	SIS (USED)	RCVD .	39,340# 5400GAL	9900		9/2
4/28/83	515	SHIPPED	40,279 # 5994686		1.5,790	9/28
5/17/83	ACETONE	SHIPPED	27,184# 4125 GAC		19,915	9/50
5/18/83	ACET ONE (USED)		38,40031 5600 GAC	15,500		101
5/18/83	SIS (USED)	1	46,7600 GAL,	22,000		101
5-131/83	SIS	SHIPPED	21,1438		124,103	10/1
6/17/83	ACRIONE	SHIPPED	29,960=		28,649	10/1
6/17/83	SIS (USED)	RCVD.	46,800 6500GAL	28,500		10/2
6/23/83	SIS.	SHIPPED	35,6/6 5300 GR		33,949	101
6/23/83	ACETONE (USE)	1	37126 B	34,000		124
6/27/63	SISCUSED	RCVD.	43040 AC	1		12/
				1 .	۸-000158	12/
	No.	13448 A	Labers 9	VL COALT	W.	7
أن مستحدة (1964 - 1969 - 196 6)	والمنظم المستوالية المستوالية والمستوالية				والكاز الفينية المساودات	1 PROPERTY OF

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L DATE	MATIL	BHIPPED RCVDI	QUANTITY	YITI DI CUMI TOTAL·USED	Y.T. D. CUM TOTAL PROCESS
	T		36.360 ₺	JOINE UBED	
7/6/83	1 SIS	SHIPPED	5411 GAL	·	39,360
7/6/83	HCETONE (USED)	RCVD:	5500 GAL	45,500	
7/21/83	ACETONE	SHIPPED	35740 E 5423 GAC		44,613
8/4/83	315	SHIPPED	3714040 H 55276AL		50,140
8/9/83	1	Revo	6500GAL .	52000	
4 .	SIS(USED)		44,9000	32000	
3/2/83	1515	SHIPPED	6682GAC 47,440#		56,822
8/2/83	SIS(05ED)	RCVD.	6680cac	58,680	
8/24/83	SIS	SHIPPED	6289 GAL		63,111
8/34/53	SISCUSEDI	RCXD	6500 GAL.	65188	
8/31/83	ACETONE	SHIPPED	3600 GAL		66,611
9/2/83	515	SHIPPED	286800		70,228
	+	RCVD	48.28011	71 700	10,203
9/2/83	315 (USIED)		27,640	71, 788	
9/9/83	1515	SHIPPED	4/13 GAL 46420	· ·····	74,341
9/9/83	SISUSED	RCID:	6600GAZ	78,378	
-4/16/83	ACRTONE	RCVD	30,360 4 4600 GAC.	.82,978	
9/22/83	515	SHIPPED	34,700 d 5164 MGAL		79505
9/22/83	· 	RCVD	5200 GAU	88178	1,
(38.360H		0
0 4/28/83	315	SHIPPED	47,92004		85, 213
5 0/28/43	SISCUSED	RCVD 1	6600 GAC	94,778	
10/6/83	ACETONE	SHIPPED	33,640 A 510 5 GAL		90,318
10/6/83	ACETONELUSED	1	40,3602 5500 GAL	100,288	
10/19/83	SIS	Į	29020# 4318 GAL		94, 636
	A USED	SHIPPED	49,2600	106,988	
79 10/19/83	HCETONE	RCYD	6700cac		
10/20/83	ACRTONE	SHIPPEP	48,500 GAL		101,260
7.4 10/26/63	ACTIONE (USED)	RCVD		113,588	
12/1/63	ACETONE	OLAYTON SHIPPED	32,980 HZ 5000 GAL	1	106,260
354			6200 H		
12/16/83	ACTETONE (USE T)		1000 GAC	114,588	S/A-000159
12/1/83	SOLD TI	MYT	on Charmi	0120,088	17-
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DATE	MATERIAL	SHIPPED REVD	QUANTITY	Y. T. D. CUM INTALUSED'	YT.D. CUM	DATE
1/9/84	ACETONE CUSED)	RCVD.	38740 d	6300 GAL		7/3/8
1/9/84	ACETONE	SHIPPED	6898	E	6898 GALS	7/11
2/17/84	ACETONE	SHIPPED	6677 GAL		13,576,	7/181
2/17/84	ACETONECUSED	RCVD	50,580 = 6800 GA4	13,100		7/18/
3/7/84	ACETONE	SHIPPED	44,1404 6698 GAL -		20,273	7/27
3/7/84	ACETONIEUSED	RCVO	47,2400 6600 GAL	19,700		7/2
3/29/84	SIS	SHIPPED	42,860 6318 GAL	<u> </u>	26,651	2/8/2
3/29/84	SISCUSED)	RCVD	47,500 H 6600GAL	26,300	ي.	
4/2/84	ACETONE	RCVO:	48,5408 6600 CALS	32,900	<u> </u>	8/10
4/17/84	ACETONE (USED	RCVD	17,080 H	35,700	·	8/17
4/25	ACETONE	SHIPPED	#5000 GAL.		31,651	8/1
5/3	ACETONE	SHIPPED	* 2000 GAL	<u></u>	33,651	9/5
. 5/4	Acerone(used)	RCVD	49520th	42,300		9/5
5/10	ACETONE_	SHIPPED	* 1000 CAL		34,651	9/10
5/14	ACETONE	SHIPPED	33,600 50996AL		39.750	9/10
5/14/84	ACETONE (USED)	RCVD.	5500 GAL	47,800		9/25
6/2.2/84	SIS	SHIPPED	36520# 54356AL		45,185	9/2
5122/84	SIS (USED)	RCVD	6500GAL.	54.300	-145	10/2,
5/23/84	ACETONE	SHIPPED	#2500 GAL		47,685	10/2
5/29	ACETONE CUSE		5300	59,600		10/9
6/6/84	ACETONE.	SHIPPED	423804 64316AC	1 2 4	54,116	Cioli
6/6/84	SISCUSED	RCFD	44140 62006AG	65,800		10/1
4/12/84	SIS	SITIPPED	30,900 d	<u></u>	58,714	101:
4/20/84	SIS	SHIPPED	38,700 H - 6759 GAL		64473	10/3
6/20/84	SISCUSED	RCVD.	45,480 EAC	77,600		101
		. لىر	21803	l cars	7	11/8
Y			110/500			11/9
*	Sales 1	chara	at Clark	SI	A-000160	17.11
	1		0	1		1119

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ICES	CHTE	MATERIAL	RCVD.	QUANTITY	TOTAL USED	TOTAL PROCESS
	7/3/84	SIS	SHIPPED	37,640ª 5601GAU		70,074
FALS	"7/11/84	ACRTONE (USED)	i	6500 GAL		,
<u>a</u>	7/18/84	ACETONE.	SHIPPED	38,440# 58336AL		75,907
	7/18/84	SISCUSED	RCVD	45,4400 CAL	85,600	
3	7/27/84	5/5	SHIPPED	40,2400		81,895
	7/27/84	51Scused	RCVD	42/800 #	92,000	
1	48/2/84	ACETONE	DEDUT	0.05/GAL	FROM A	LEONAGE ?
			NO.			
	8/14/84	SIS CUSED)	RCVD.	50,440 6800 GAL	98,800	
	8/17/84	SIS	SHIPPED	66866AC		88,581
7	8/17/84	SISCUSED	RCVD.	51,5404 68006AC	105,600	
57	9/5/84	SIS	SHIPPED	44,000 6548 GAL	 	95,129
	9/5/84	SISCUSED	RCVD.	50,58021 6600 GAL.	112,200	
.51	9/14/84	SIS	SHIPPED	44,280# GAL		101,718
50	9/14/84	ACETONE (USED)	RCVD.	6600 GAL	118,800	
	9/25/84	ACETONE	SHIPPED	33420 ± 50716AL		106,789
5	9/25/84	SISCUSED	RCVP.	48020=	125,400	
	10/2/84	SIS	SHIPPED.	33340 FF 50596ALS		111,848
15	10/2/84	SISCUSED	RCVA		131,900	
	10/9/84	\$15	SHIPPED	29,500 d 4390 GALS		116,238
16%	10/19/84	ACETONE	SHIPPED	32,200 H		121,125
	10/19/84	SISCUSED	RCVD.	6700 GALS	138,600	
12	10/31/84	3/5	SHIPPED	45080± 67086AG, 47860	:	127832
173	10/31/84	S15(USED)	ACVD.	1 6750 GALS	145,350	
	10/9/84	ACETONECUSE	RCVD	45,320 6500 GALS	151,850	S/A-000161
	11/5/84	ACETONE (USED)	RCVD	44,560 H 66000 ALS.	158,450	
	119/84	S15	SHIPPED	26840# 39946AL		131817
	7.115/84	ACETONE	SHIPPED	42280 4 64/6GAL		138;233
A .	1-119/84	11 0565	RCVD		165,050	

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· · · · · · · · · · · · · · · · · · ·	,DATE	MATERIAL	SHIPPED RCVD	QUANTITY	YIT.D. CUM. TOTAL USED	Y.T.D Cum. TOTAL PROCESS
		ACETONE (USED)	RCXD.	47,340 H	6600 GAL	
	1/22/85	ACETONE	SHIPPED	38, 920 CAL		5606
	1/22/85 +	ACETONE (RES)	RCVD.	35,620 d 5800 gaz	134.00	
	2/27/85	ACETONE	SHIPPED	43,420 ± 6589 GAL		12,495
	2/27/85 +	ACETONE (USED)	RCVO.	46,620 £	.19,100	
	3/7/85	ACETONE	SHIPPED	39,720# 6027 CAL.		18,522
4-4	3/7/85	SISCUSED)	RCVD.	48,470# 6600 GACI:	25,700	
	3/12/85	S15	SHIPPED	24,320# 3619 CAL		22,14/
	3/12/83	SIS(USED)	RCVD.	6000 GAL:	3.4,700	
···	3/20/85	SIS	SHIPPED	45,660± 6795 GAL.		28,936
	3/20/85+	ACETONE (USED	RCVD.	6600 GAG	38,300	
4	4/1/85+	ACETONE (USED)	RCVD.	6600 GAL	44,900	
	4/4/85	ACETONE	SHIPPED	43,740 66316AL	, , , , , , , , , , , , , , , , , , ,	35,573
		ACETONE (USES	RCVD.	6600 BAL	-51,500	:
	4/12/85	ACETONE	SHIPPED	37,440 5681		41,254
	4/12/85/	SIS (USED)	RCVD.		58,000	
	4/19/85		SHIPPED	39,9604 39,9604		47,200
	4/19/85	SIS(used)	RCVD.	40,540 5600GAL	63,600	
	4/29/85	SIS	SHIPPED	39,9604 5946 GAL		53,146
	4/29/85	SISUSED)	RCVD	6600GAL	c -	
	. , ,	ACETONEUSED	RCVD		70,200	
	5/8/85	SIS	SHIPPED	40,720 to		59 2.06
	5/8/85 /	SISLUSED	RCVD	5300 GAL	75,500	
	5/17/85	ACETONE	SHIPPED	41,540 E 6303 CAL	,	5509
	5/17/851	SIS (USED)	RCVD	6600 GAL	82,100	-
	5/24/85	SIS	SHIPPED	43,540 # 19GAL		7/,988
	5/2485+	ACETONEUSE	PRCVD.	(6600 CA.	88,700	1.6
	1 /	ACETONE	SHIPPED	43780 H		78,631
	6/4/85 4	SIS CUSE	RCVD	6600GAC	95,30€	S/A-000162

			SHIPPED		V 4	14 4 4
	CATE	MATERIAL	RECIEVED	QUANTITY	Y.T.D. CUM. TOTAL USED	TOTAL PROCES
	4/13	515	SHIPPED	45017 E 6699 GAL		85,330
	6/13	SISCUSEDI	RCVD	6600GAL	101,900	
	6/19	SIS(USED)	RCVD	6600 GAL	108,500	
	7/1	515	SHIPPED	451204 67146AL		92,044
	7/1 +	ACETONE	RCVPI	6600GAL	115,100	,
	7/12	ACETONE	SHIPPED		142,120 # 63926AL	98,436
	7/24 +	ACETONE (USE)	RCKREA	48,660 # 6500cm	121,600	
	7/25	5/5	SHIPPED	43,2808		104876
-	7/25	SIS (UEED)	RCVD	42,320E	127,400	
	7/30	ACETONE	SHIPPED	28040 H 4255GAL		109,131
	1/30	515msel	\sim	6600 GAL	134,000	-
	7/12	SIS(wed)	KCVD	6500GA	140,500	
	77_+	Oce Tane	Revo_	6400 GAL	146,900	
	8/7	SIS	SHIPPED	30,300 A		115,857
	414		SHIPPED	41,8200 GAL		120,455
}	8/14	SISCUSED		43240	153,400	
	9/3/85	SIS	SHIPPED	6438GA		126,893
	/	SISCUSED	l	45,020 G 65006A 39100#	4159,900	
	9/12/85	S15	SHIPPED	39,180# 5920GAL		132,813
	9/12/851		ł	6400GAL	166,500	
	9/20/85	l .	SHIPPED	44,220 E		139,393
		ACETONE CUSED		6700 GAL	173, 200	
	, ,	SIScured	RCVD	6600 GAL 34,840 #	179,800	
		ACETONE	BHIPPED	5 287 GAL		144,680
{	10/2/851	11 need	RCVD	5100GAL.	184,900	·
	10/8/85	SIS	SHIPPED	26 460 # 3938 g.S		148618
	10/8/850	S 1 Scused)	RCVD	5500 grs	190,400	
	10/16/85	SISCUSED) ACETONE	SHIPPED	42,400 \$		155,052
	10/16/85	ACRTONE USED	RCVD	6500gd	196,900	

- i		<u> </u>			<u> </u>	
	DATE.	MATERIAL	REPO	OUANTITY	CUMITOTAL	CUM, TOTAL
1	1	85 ACETONE		4/3920 H		X/61,717
- }	10/28	SIScused) RCVD,	6700	203,600	
		* H shar	ed he 10	61,115.60	2 gel en	or in
		tata	le has h	een mad	e over the	e yeor
-			vs 20,000			<u> </u>
		SIS (beed)	RCVD	6600GA	210,200	
		SIS		45,500 =		168,488
} ¥-	12/3	SIS (used)	REVD	6600GA	216,700	
· 	12/6	SIS	SHIPPED	32360	3AC	1 73,289
	12/6	~ SIS curely	RCro		Ac 222,300	
-	12/13	SISmul	ECVD.		GACI 641, 500	
_	2/13	+ ACETONIE (use	er Revoi	43090 6 6600 6	4 L 233,906	·)
1	12/31	ACETONE	SHIPPED	36,560	AL 233,900	178,837
-}		1 Acatone (use)) ACVE.		ac 240,400	
1	12/31	en e				
5	-				•	

Clayton Chemical Co.

May 12, 1986

om Cori ma Chemical Company O. Box 14506 t. Louis, MO 63178 ANTO P. CARR

1 4 MAY 185

RE: Porposal to Sigma

Clayton Chemical Company shall furnish one 10,000 gallon cone bettom, fully permitted, steel storage tank for waste acetone storage.

Clayton Chemical Company shall receive waste acetone under Illinois manifest from Sigma for processing or disposal to be determined by Sigma.

The storage tank shall be piped direct to the process unit with no other cross connections to any other systems. This tank shall be for Sigma's exclusive use.

Cost of this service shall be \$8,500 due on completion and seventy-five dollars per month thereafter to be paid monthly.

Clayton Chemical Company shall maintain this equipment thereafter.

This agreement shall be based on a system life of six years. If Clayton Chemical Company cannot, for whatever reason, supply this service during this life a direct time proportion of the \$8,500 shall be returned to Sigma. If Sigma does not continue to use this service Clayton Chemical Company shall return \$3,500 of the \$8,500 to Sigma in the first three years.

Sigma shall not ship to Clayton Chemical Company for storage any material which will reduce the six year useful life of this tank system.

Contact with the Air Division IEPA in regards to your tanker trailer, clean solvent storage, was made. They said that each separate compartment was a tank, therefore you will not need any air permit as each compartment is less than 5,000 gallons.

Fred has this info and has agreed to have Clayton Chemical Company get a bid on putting a floored dike area in, to contain this trailer. It will be built large enough to replace the trailer with tanks - someday if need be.

Bud

Clayton Chemical Co.

December 18, 1986

r. Lorenzo Merriweather Sigma Chemical Company 3500 DeKalb Street St. Louis, MO 63118

Dear Mr. Merriweather:



Clayton Chemical Company has reviewed our documents pertaining to materials received by Clayton Chemical Company from Sigma Chemical Company's distillation processes in Sauget, Illinois. On eight different occasions Clayton Chemical has received either still bottoms from acetone recovery or processed acetone from your acetone recovery facility during the time period between July 1982 through January 1985. Copy of this outline is attached. "Bottoms" materials received during that time period were transferred by Clayton Chemical to their fuel blending tank R-1 on-site and these materials were put into our fuel mixing program for shipment to either Systech facility in Fredonia, Kansas or other industrial waste fuel users. All of the waste received by Clayton Chemical was, therefore, properly disposed of and no residue exists. While the waste was handled by Clayton Chemical it was handled pursuant to a Part A permit for storage of hazardous waste. The facility was inspected daily for leaks and to Clayton's knowledge, none of the Sigma material ever reached the environment during handling by Clayton Chemical employees.

Processed acetone was purchased from Sigma and sold to third parties as recycled solvent product.

I hope this resolves your concerns as to the disposition of the material provided to Clayton and if we can answer any further questions, please call.

Sincerely,

CLAYTON CHEMICAL CO.

Bud Haney

Sr. Vice President

BH/pf

PRIVILEGED AND CONFIDENTIAL PREPARED FOR COUNSEL

Materials Received By Clayton Chemical Company

January 1985	640 gallons	Bottoms Distillate
February 1985	1200 gallons	Bottoms Distillate
March 1985	1700 gallons	Bottoms Distillate
April 1984	5000 gallons	Processed Acetone
May 1984	5500 gallons	Processed Acetone
August 1983	3000 gallons	Processed Acetone
December 1983	5000 gallons	Processed Acetone
July 1982	6000 gallons	Processed Acetone

PRIVILEGED AND CONFIDENTIAL PREPARED FOR COUNSEL

September 10, 1987

s. Gloria Champagne Sigma Chemical Company 3500 DeKalb Street St. Louis, MO 63118

Dear Gloria:

This letter is to inform you of the methods of disposition of recycling residuals at Clayton Chemical.

- 1) Hazardous W.ste Fuel: Still bottoms, hazardous waste oil, and other ignitable organic liquids are blended to meet specifications established by Systech Corp./General Portland Cement. Systech/General Portland utilizes this material as a supplemental fuel in cement kilns at Fredonia, KS; Greencastle, Ind.; Demopolis, AL; Paulding, OH; and Alpena, MI. Contractual agreements between Clayton and Systech allow Clayton to utilize any of the available kilns necessary to facilitate continued operations.
- 2) Non-Recoverable Solids: Waste solvent and oils are inherently contaminated with varying degrees of "solid" materials. These materials can range from "dirt" to contaminated gloves, clothing, tools, etc. Clayton's screening activities are conducted to remove these solids. Since they are non-recoverable wastes, they are packaged in 55 gallon open head drums and delivered to LWD, Inc., Calvert City, KY, a fully permitted commercial incinerator.
- 3) Wastewater discharge: Domestic sewage, boiler blowdown water, non-contact cooling water, surface water runoff, captured stormwater, and process wastewater is discharged to the Sauget Industrial Wastewater Treatment Plant under the conditions of Clayton's IEPA sewer permit and conditions imposed by the treatment plant.
- 4) RCRA empty steel drums are delivered to Lefton Iron and Metal in East St. Louis, IL for steel reclamation.

Please note that these are the only outlets currently used by Clayton for residual disposition. We do not use land disposal in any way, with the exception of our general refuse from the office.

Please contact me with any additional questions or comments.

Sincerely,

CLAYTON CHEMICAL CO.

Warre

Dave Wieties

SIGMA chemical company

THE WOFILD'S FOREMOST MANUFACTURER OF RESEARCH
BIOCHEMICALS AND DIAGNOSTIC REAGENTS



POST OFFICE BOX 14508 SAINT LOUIS, MISSOURI 63178, U.S.A.

CABLE ADDRESS: SIGMACHEM

CALL COLLECT FROM ANYWHERE IN THE WORLD PHONE: 314-771-5765 TWX: 910-761-0593

November 03, 1987

Mr. D. Wieties
Clayton Chemical Company
#1 Mobile Avenue
Sauget, IL 62201

PRIVILEGED AND CONFIDENTIAL
PREPARED FOR COUNSEL

Dear Mr. Wieties:

So that I may update our records and verify information that must be submitted to EPA, it is necessary to ask you to provide us with a copy of the manifest, the RCRA Landfill Ban Notification, the invoice and any other information that you may have for the shipments shown below.

Sigma No.	Illinois No.	Date	Waste Material	Quantity
0135	IL1510588	11/07/86	ACETONE	6,500 GAL
0136	IL1510589	11/10/86	ACETONE	6,500 GAL
0140	IL1510596	11/18/86	ACETONE	6,500 GAL
0151	IL1812807	01/02/87	MIXED FLAM LIQ	4,415 GAL
01.52	IL1812808	01/08/87	ACETONE	6,000 GAL
01.57	IL1812816	01/22/87	ALCOHOL	6,000 GAL
01.71	IL1812830	03/13/87	ACETONE	6,000 GAL
01.85	IL18189 62	04/27/87	ACETONE	6,000 GAL
0193	IL1818976	05/21/87	ALCOHOL	6,000 GAL
0197	IL1818991	06/09/87	ACETONE	6,500 GAL
0204	IL1818996	06/26/87	ACETONE	6,500 GAL
0217	IL1714503	08/13/87	ACETONE	3,740 GAL
0225	EL1714515	09/17/87	ACETONE	6,500 GAL

As expressed in a telephone conversation, our reference key is the manifest number for any shipment, on any date, because we may complete several shipments during a day. We desperately need your invoices to reference the manifest number (Illinois or Missouri) so that we may: 1) Complete the shipment file, 2) communicate effectively with you should we have questions, 3) distribute costs properly. To date, yours is the only facility that does not reference any manifest number at billing.

Simcerely,

Gloria Champagne

Sigma Chemical Company

GC/cr dwl/es ୪

6-16-88 - MIXED FLAMMABLE SOLVENT SHIPMENT -

A shipment of ~1340 gallons of Mixed.

Flammable solvents was shipped to

Clayton Chemical Co, via Schiber Truch.

Co", for incineration. 5/16/88 9:00 Arr.

Manifest # IL 2038890-00084

DBayner 5/16/88

spres

Pa-

10020

bayur.

8-30-88 - A Mixed Flammable Solvent Shipment A Shipment of 1294 gallons of mixed

Flammable solvents was sent via. schriber Tank

Lines to Clayton Chemical co. for incellartion

MANifest #IL2111635-00109

Kenhh. 9:00 pm.

7-88

2. call.

22-88.

bely:

S/A-000171

·

- 4-89

1-27-89 A Mixed Flammable Solvent
Shipment of 6000 gallons was made
via schiber THNK Lines to Clayton
Chemical Co. for Incomartion
MANIFEST IL 2236914-00

K- certlin

1-27-89 110gm

10 - 891

Clerk

12 11 2 11

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eller-

5-89

eli.

+ A U . 1

11

INVIE:
CHEROKEE SHIPMENTS Shipments from used solvent tanke - Dehally IN BACK OF BOOK for reclaimation From 5/14/87 - (Clayton Start-up)
1. 5/14/87 6000 gal used alcohol from tanks 62. + 61 - To Clayton for rellaination (3000 gal) (3000
2. 5/27/87 6500 gal. used alcohol from tank 212. - To Clayton for reclaimation
3. 6/3/87 6350 gal. used alcohol from tank 208 - to dayton for reclaimation
4. 6/9/87 6500 gal used actions from tank 209 to Clayton for reclaimation
5. 6/10/87 6500 gal used alcohol from took 2/2 - To Clayton for reclaimation
6. 6/16/87 6500 gal used actions from tank 209 To Clayton for reclaimation (4975gal disputed)
the second secon
7. 6/35/87 6200 gal. used alcohol from tank 212. - To clayton for reclaimation
- lo Clayton for reclaimation (341 emptied)
9. 7/8/87 5000 gol used alcohol from tank 2/2 - to Clayton for reclaimation
the control of the second of the control of the con
10. 7/15/87 6500 gal. used alcohol from tanh 2/2 - To Clayton for reclaimation SIA-000173
11. 7/24/87 6600 gal. used alcohol from tank 2/2 - to clanton for reclaimation
- to clanton for reclaimation

Shipmente from used bothert touthe -Dehall - For incine 13. 1/8/87 63.58 gal. of used autore from tanks 209 (5,780; and 211 (578 gal.) was shipped Manifest #12 181281 Lot #17F-7060.

- To Clayton for incineration Cerest Kilm Fuel-WR.

- to Clayton for traineration Cement Kilm Fuel- W.

15. 2/6/87 6925 god. of used alcohol from 212 - To Solvent Recovery

16. 2/30/87 6275 gal of used actions from 211 (5645) and For - To Solvent Recovery

17. 3/10/87 7130 gal of used actions from 211(5730) and 209(1 - To Solvent Recovery

18. 3/13/87 7200 gal. of used action from 211 (400) and 209 (324)

To Clayton for incineration Cement Kiln Fuel - WR 5,

19. 3/18/87 7570 gal of used action from 209 - To Solvent Recovery

20. 3/24/87 6925gal of used actions from 209 - Tank en - To Solvent Recovery SIA-000174

21. 4/27/87 6000 gal of used alcohol from 208 - To Clayton for incontration Cement Kiln Fuel-WR

- To Clayton for incineration Cement Kiln Fiel-WR

AZ. 5/17/27 6000-0 1. 1 -1 -1 ...

- To Clayton chem for inconstion Cement Kily First- We. 5/1/
- 25. 6/17/87 6140 gol. of noed actore from 209 Tank emptied - to Clayton Chem. for isintration Cenent Kilm Fuel - NIR 5/16/9
- 26. 7/20/87 6000 gal. of used actions from 209
 To Clayton chem for incineration Cement Kiln Fuel WR. 5/16/9

Dehalt - Shipments from used Solvent tanks for reclaimation

- To Clayton for reclaimation.
- To Clayton for reclaimation
 - 29. 8/20187 6625 gal. of used alcohol from 212 - To Clayton for reclaimation
 - Dehall used solvent toutes shipments for all purposes -
 - 30. 8/27/87 2200 gal. of used actions from tank 209 Tank empt - To Clayton for incineration Cement Hilm Find-5/1/
- 31. 8/31/87 4900 gallons used alcohol from tanks 212(2500)
 and 62-N pad (2400)

 To Clayton for reclaimation
- + 32. 9/17/87 5650 gal used action from tank 2/1

 To Clayton for reclaimation Tank not emptied

 Must be emptied by 10/31/87

 S/A-000175
- 1 33. 10/6/87 2375 gal used actions from tank 211

34. 2900 d	gol. used actions from tranh 209 - 10/21/8-7 to Clayton for incirculation (270+ unhnowns by GC) Committeln tanh emptied - Must be emptied again by 1/5/88
	- To Clayton for reclaimation.
36. 12/2/87	3410 gol of used actions from tank 211 - To Clayton for reclaimation (tank empired)
+ 37. 12/16/87	6475 gol. of used action from tanks 209 (3315-emp and 211 (3160-not empty). - To Clayton Chemical for radaination.
1 38. 12/18/87	
39. 12/21/87	6500 gol. of used actor from tanhs 209 (1150 gol-ni and 211 (5350 gol. tanh empty) - To Clayton Chamical for reclaimation.
40. 13/28/87	- to Clayton Chemical for reclaimation.
741. 12/30/87	- To Cloylon Chemical for reclaimation
92. 1/6/88	6700 gol of used alcohol from tank 2/2 - not empty - to Clayton Chemical for reclaimation
43. 1/12/88	6345gol. of used actor from tank 211 - not empter - To clayton Chemical for reclaimation.
	S/A-000176

- 44. 6670 gal. of used action from touch 211 (1740 gal, Imptied) and touch 209 (4930 gal, not emptied). To Chapter Chemical for (1-20-88)

 Reclaimation.
- 45. 5900 gal of used alcohol from tank 208 tank emptied (2-2488) to Clayton for incineration Cement Kiln Fuel 5/16/90 W
- 46. 6300 gal of used action from tanks (209-4930gal, empty) ar (3-10-88) (211, 1370 gal not empty)
- To Clayton for reclaimation.
 47. 3-25-88 5160 gal word actors from T209 (975 gal. tamk emptred)
 and T211 (4185 gal. tank emptred).

 To Clayton for discoveration Cement Kilm Firel 5/16/90 W
- 48. 3-30-88 6329 gal. used alrohol from T 208 (tank not emptied).

 to Clayton Chemical for Locateration Cement Kiln Finel 5/4
- 49. 4-6-88 6105 gal. mixed polvent (4315 gal. need alcohol from tank 212, not emptied) and (1790 gal used actions from tank 209, Tank emptied) to clayton Chemical for Animatic ament Klen Fired 5/16/90
- 50 x 3/23/88 5885 gal used alcohol from 7 212 (tank not emptied)
 To Clayton Chemical for Incinoration Coment Killy Final 5/1/190

52. 4/27/88 6,400 gal used alcohol from tank 2/2 shipped out SIA-000177 - To Clayton Chemical for Reclaimation - (tank Emptied)

Used Solvent Shipments	D.1.01
mad 2 among 24 nomento	-armon

54. 6/8/88 7,440 gal used alcohol from T 212 was shipped to Clayton Chemical for reclaimation (Tanh Empti

to Clayton Chemical for inciration (touth emptied)

56. 6/23/88 6,175 gal used acetone from T211 was shipped to Clayton Chem. for neclaimation - tank not emptied but was emptied 1/24 when 2048 gal. was transfer to Hayardous Waste T2 (mixed flammable) to make a for 10,000 gal. used acetone from G.O. run 6/57-28.

57. 6/24/88 6/85 used alcohol from T208 was shipped to Clayton for minutation (Tank Not Emptied)

58. 6/28/88 6,340 gol. of word actions was shipped to Clayton Chemical to for reclaimation (Tank emptied) (T 2

59. 7/21/88 5,595 gal of used alcohol was shipped to clayton Chemical Co. for incineration (T208, tank emptied) Cement Kiln Fuel-WR. 5/16190

60. 7/28/88 3460 gal. of need actions was shipped to Clayton Chemical Co. for reclaimation (T211, Tank emptied)

61. 8/1/88 5090 gol. of used alcohol was shipped to clayton chemical lo- from T212, tank emptied from this load + 2800 gol. Transferred to T208 for later inciner - For exemption Cement Kiln Fred-NR. 5/16/9:

Note: Chemical Co. from T 211 (tank emptied)

- For reclaimation

SIA-000178

63. 9/1/88 5600 gal of used action was shipped from T211 to

Used Solvent Shipments - achalle

64. 9/7/88 4985 gol of used actions was shipped to Clayton Chemical Co. from T211 - for reclaimation - touch not empty.

- 66 10/5/88 6730 gal. of used alcohol was shipped to Clayton Chem. Co. for redaination T212, emptied.
- 67. 10/6/88 5515 gol of used actions was shipped to clayton them. Co. for redaination. T 211, not emptied.

- 69. 11/8/88 6475gal, of used alcohol was shipped to clayton commit Kentuck wk. 5/16/96 gal. from tank 208 (emptied) and 665gal. from tank 212 (not emptied)
- 70. 12/6/88 6400 gol of used actions awas shapped to Clayton Chem. G. for reclaimation from T2/9 (not emptred)
 219 took emptied 12/7/88 800gol transformed to T220

S/A-000179

72. 12/20/88 6688 gal. of used action was shipped to Clayton Chemical Co. for reclaimation from T219 (Hanh materials)

- 81. 3/1/89 6675 gol. of need accohol was shipped to Clayton Chem. for reclaimation (+212, Not empties)
- 82. 3/14/89 5785 gol. of used alcohol was shipped to Chanton Chemical Co. for instruction. (10 gol. T208-empty, and 5775 gol. from T215-empty).

them. Co. Los reclaimation. 3353 gal. from T219, empty

- 94. 4/10/89 3,200 gol. Wed alcohol was shipped to Clayton Chem. Co. for redaination. Tanh 212-Not emptied.

 Note: This load was sent to Cherokee St. Plant and approx. 3000 gol used alsohol was added to this load before shipment to Clayton Chem. 6200 gol. total shipment.
- /85. 4/14/89 6,205 gol. used alrohol was shipped to Clayton Chem. Co. for reclaimation - T212 Tank empteed.
- 86. 5/2/89 6,470 gol used alcohol was shipped from T212 to clayton Chem. Go for reclaimation-tank not emptied.
- 4 87. 5/10/89 5,750 gal used autore was shipped from 72/9 to Clayton Chem. Co for reclaimation - tank not emptied.
 - 88. 5/12/89 6,355 gol used alcohol was shipped from T212 to clayton them Co. for reclaimation tank not emptied
 - 89. 5/17/89 4,992 gol. used actore shipped from T220 for Coment Kiln Full-WR. 5/16/99 not emptied. To Clayton Chemical to

5/A-000181 Chem. for reclaimation - 5/23/39 T 219 - Not Emptin

93. 6/1/89-6600 gal used alcohol was shipped to Clayton Chem Cor. La reclaimation - T212 - Not Emptied

95. 6/5/89-6,615 gol wed alcohol shipped to Clayton Chem Co.

for reclaimation. T 212-tank emptied

96. 6/52/89-6,675 gol weed alcohol was shipped to Clayton Chem. Co.

for reclaimation from T 212-tank not emptied

98. 8/11/29-5,935 god weed alcohol shipped to Clayton Chem. Co.

for reclaimation. T 212. Tank emptied

97. 8/9/89-6500 god used actions shipped to Clayton Chem. Co.

for reclaimation, T 219, Town not emptied.

79. 8/21/89 - 5950 gol. of used alcohol was shipped displaced twe. 5/16/90 took shipped for inconstation from 7208. tank emptied.

100. 8/30/89-7040 gal of used alcohol was shipped to Clayton Chem. Co. for reclaimation - T212, not emptied.

+ 101. 9/1/89 - 3795 gol. of used actions was shipped to Clayton Chem Co. for reclaimation - T219, not empties, Ill. Manifest # 40375

+ 102. 9/1/89 - 2 nd shipment same day - 3285 gal. used acetere was shipped to Clayton Chem. Co. for reclaimation T 219, tank emptied, dll. Manifest # 40375/2

103. 9/7/89 - 6100 gal used alcohol shipped to Clayton Chem. Co. from 5/A-000182 T212. For reclaimation, tank emptied:

1. 1.1 1 . . It contan Chem, Co.

105.	10/9/89	7208 for mendalished was shipped from
106.	10/16/39	5253 gol of used actors was shipped from 7219 for reclaimation at clayton Chem. Co. touch empted of all liquid.

107. 10/18/89 6,660 gol of used alcohol was shipped from T212 for reclaimation at Clayton chemical Co. tank Not emptied.

them.

1037511

enva.

113. 11-29-89 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON

CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL

PAPTAGE ON

S/A-000183

VII4. 1-10-90 SPENT ACETONE SHIPMENT SENT TO CLAYTON CHEMICAL CO FOR RECLAMATION VIA COMMERCIAL CARTAGE CO. TANK T-219 SPENT ACETONE 6122 GAL NOT EMPTY MANIFEST # 114037593

116, 2-13-90 SPENT ALCOHOL SHIPMENT SENT
TO CLAYTON (HEMICAL CO. FOR RECLAMATION)
VIA COMMERCIAL CARTAGE CO.
TANK 212 SPENT ALLOHOL 4565 GAL GMPTY (795 SOLIO
TANK 208 SPENT ALLOHOL 170 GAL GMPTY (255 SOLIOS
4735 GAL

117. 3-1-90 SPENT ACETONE SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL CARTAGE CO. TANK 219 6262 GAL NOT GMPTY MANIFEST # 11 4037627 SIA-000184

J 118, 3-15-90 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON CHEMICAL CO FOR RECLAMATION VIA COMMERCIAL CARTAGE CO.

1 Can I'm Hat Cont.

12.0, 4-10-90 SPENT ACETONE SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL CAPTAGE CO, TANK 219 SPENT ACETONE 6504 GAL NOT EMPTY MANIFEST # 1L 3250047-00625

122, 4-27-90 SPENT ALLOWOL SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL CARTAGE CO. TANK 212 6443 BAL NOT EMPTY S/A-000185 J124. 5-7-90 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON CHEMICAL CAFOR RECLAMATION VIA COMMERCIAL CARTAGE. T-212 SPENT ALCOHOL 5560 GAL, EMPTY OF ALL LIQUID, ~795 GAL SOLIOS LEFT IN TANK.

S/A-000186

127. 6-21-90 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA J 128, 7-16-90 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL CARTAGE. T-212 SPENT ALCOHOL 6700 GAL NOT EMPTY

J129, 7-25-90 SPENT ACETONE SHIPMENT SENT TO

CLAYTON CHEMICAL CO. FOR RECLAMATION VIA

COMMERCIAL CARTAGE

T-219 SPENT ACETONE 4728 GAL EMPTY OF ALL

LIQUID ~ 515 GAL SOLIDS

MANIFEST # 1L4240568-00679

132 8-2-90 SPENT ACETONE SHIPMENT SENT TO CLAYTON CHEMICAL CO FOR RECLAMATION VIA COMMERCIAL CARTAGE T-219 6000 GAL NOT EMPTY MANIFEST # 11

S/A-000187

J 134. 8-7-90 SPENT ALCOHOL SHIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION UIA COMMERCIAL CARTAGE CO. T-212 SPENT ALCOHOL 5139 GAL EMPTY (475 GAL SOLIE

135, 9-11-90 SPENT ACETONE SHIPMENT SENT TO CLAYTON CHEMICAL WO. FOR RECLAMATION VIA COMMERCIAL CARTAGE W. T-219 6500 GAL NOT EMPTY MANIFEST # 139. 10-31-90 A SPENT ALCOHOL SKIPMENT SENT TO CLAYTON CHEMICAL CO. FOR RECLAMATION VIA COMMERCIAL CARTAGE CO. T-212 SPENT ALCOHOL 6040 GAL EMPTY (475 SOLIDS) NOTE: TANK 212 WAS RECIRCULATED FOR 3 HOURS ON 10-30-90 AND 1 HOUR ON 10-31-90 PRIOR TO WILDADING.

144 12-7-90 USED ACETONE SKIPMENT SENT TO CLAYTON CHEMICAL FOR RECLAMATION VIA COMMERCIAL CARTAGE. T-219 4400 GAL NOT EMPTY MANIFEST # 114240667-00755

148. 2-8-91 A SPENT ACETONE SHIPMENT WAS SENT TO CLAYTON CHEMICAL VIA COMMERCIAL CARTAGE FOR RECLAMATION T-219 SPENT ACETONE 6000 GAL NOT EMPTY

·• -- 152. 3-5-91 A USED ALCOHOL SHIPMENT WAS
SENT TO CLAYTON CHEMICAL CO. FOR
RECLAMATION VIA COMMERCIAL CARTAGE CO.
T-212 USED ALCOHOL 5815 GAL EMPTY (385 SOLIAS)

T-212 WAS RECIRCULATED FOR TWO HOURS ON 3-4-91 AND FOR TWO MOURS ON 3-5-91 PRIOR TO LOADING THE TANKER 157. 4-18-91 A USQ ALCOHOL SHIPMENT WAS SENT TO CLAYTON CHEMICAL FOR RECLAMATION VIA COMMERCIAL CARTAGE.

7-212 USED ALCOHUL 5907 GAL EMPTY (385 S.

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161. 5-15-91 A USED ALCOHOL/WATER/SLUBGE
SHIPMENT WAS SENT TO CLAYTON CHEMICAL CO.
FOR DISPOSAL VIA SHIBER TRANSPORT. THE
LOAD CONTAINED APPROXIMATELY 1000 GAL OF
SLUDGE AND /SOO GAL WATER, THE MATERIAL
WAS VACUUMED FROM USED ALCOHOL TANKS
T-208 + T-212. THE FLASHDOINT WAS 86°F.
TOTAL GALS SHIPPED 2452 GAL. TRI-RINSE
DID THE LABOR AND SHIBER SUPPLIED THE
GOOD GAL VACUUM TRUCK

3-27-89 Si30Am Steven Very

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UTILIZATION CLAYTON CHEMICAL

DISTILLATION COLUMNS*

(Hours of Operation)

	ACETONE (Hours)	ALCOHOL (Hours)
January	87.5	0
February	0	22.0
March	?	?
April	0	34.5
Мау	0	46.5
June	107.0	18.0
July	0	43.0
August	65.0	0
September	65.5	ď
October	41.0	70.5
November	0	0
December	61.0	0

^{*}Based on Clayton Chemical invoices and confirmed with Production Services Records.

SGD/cr uchdc/hw 01/20/89

BULK SOLVENT DISPOSAL - DEKALB FACILITY - 1988

(Gallons of Solvent)

	Methanol	Ethanol	Acetone	Chloroform
Solvent Reclaimed		33,070	75,338	
Solvent Rejected 1		23,272	13,776	
Reclaimable Mixed ² Solvents		8,254 ³	3,795 ⁴	6,225 ⁵
Non-reclaimable Mixed Solvents	11,242	12,381	15,178	6,225
	11,242	76,977	108,087	12,450

- 1. Solvent rejected due to water greater than 30% or pH cannot be adjusted to 5.0 with less than 16 mls/liter solvent. (Prod. 4 solvents normally require 80 mls/liter $\rm H_2SO_A$)
- 2. Solvent in small batches or contain other solvent mixtures but may be reclaimed if the issue was pushed.
 - 3. Ethanol 40% of our general mixed solvents could be reclaimed.
 - 4. Acetone 20% of our general mixed solvents could be reclaimed.
 - 5. Chloroform 50% of our general mixed solvents could be reclaimed.

SGD/ldr bsdd/hw 01/19/89 BULK SOLVENT DISPOSAL - CHEROKEE FACILITY - 1988

(Gallons of solvent)

	Methanol	Ethanol	Acetone
Solvent Reclaimed		7918	an un an an
Solvents Rejected Due to pH, H ₂₀	40,706	99,587	9,846
Reclaimable Mixed ² Solvent	20,194 ³	36,982 ⁴	14,805 ⁵
Non-reclaimable Mixed Solvent	13,562	15,840	6,345
	74,362	160,339	30,996

- 1. Solvent rejected due to water than 30% or pH cannot be adjusted to 5.0 with less than 16 mls/liter solvent. (Prod V solvents normally require 100 mls/liter ${\rm H_2SO_A}$)
- 2. Solvent in small batches or contain other solvent mixtures but may be reclaimed if the issue was pushed.
 - 3. Ethanol 60% of our general mixed solvents could be reclaimed.
 - 4. Acetone 70% of our general mixed solvents could be reclaimed.
 - 5. Methanol 70% of our general mixed solvents could be reclaimed.

SGD/ldr bsdc/hw 01/19/89 -> Elayton Elamical file LATE -> E.S.

Ta: R 112 00
To: Bom Wolfe From: S. Nummerthe
Subject : Clayton Operations 3/15 - 6/17
Subject: Cloyton Operations 3/15 - 6/17 Date: June 24, 1988
No Solvent Processing was done during the weeks of: 2/22, 2/29, 3/2, 3/14, 3/21, 3/21, 3/28, 4/4/4/25, 5/2, 5/9, 5/16
4/11,4/25,5/2,5/9,5/16
Used alcohal shugged to Claritan
Used alcohol shapped to Clayton 25,900 aslo. No Used actions shapped to Clayton.
No Used Ocetone slugged to Clayton.
Process Solvents Renewed at Claudon
Process Solvents Recovered at Claylon Alcohol - 11,025 gols Acetone - 5,630 gols
Ocetono - 5,630 golo -
Processed Solvent Shipped to Scarry
Processed Solvents Shipped to Segma alcolal 7,810 gold acetima - 11,424 gold
Ocetina - 11,424 gold
Claritan Operations House
Clarifon Operating Hours
Dottoms Generated 4425 gols
7760 8060

3 100 gr

allition of their dis its efficient	Clayton operated one stillation units determine 2/16-2/18 sting hours - 22 was scheluled ling Jim
This work i	sting hours - 22 was scheduled lug Jim
	6/24/88

To: Usa Steward

	SOLVENT REC	OVERY COSTS AT CL	AYION FROM MAY, 19	87 THROUGH JANUARY.	. 1988	
-	Clayton Gallonage Charges	Clayton's Shift Charges	Clayton's Labor Charges	Bottoms Disposal Costs	Insurance Costs	Total
Month	<u> </u>		ļ	:		
May	\$3799.36	\$2040.00	\$1020.00	\$ 586.50	\$ 382.20	\$ 7828.06
June	4984.00	4935.00	2467.50	2575.50	764.10	15,726.10
July	5768.00	5700.00	2850.00	3050.00	289.57	17,657.57
August	5200.00	6450.00	3225.00	1977.00	789.57	17,641.57
September	1856.00	3570.00	1785.00	1035.00	764.10	9,010.10
October	1040.00	1770.00	885.00	340.50	817.47	4,852.97
November	1696.00	1533.00	766.00	559.50	791.10	5,346.10
December	3120.00	3825.00	1912.50	1357.50	817.47	11,032.47
January	2080.00	2685.00	1342.50	487.50	817.47	7,412.47
						·
	\$29,543.36	\$32,508.00	\$16,254,00	\$11,969.00	\$ 6,233.05	\$96,507.41
	156,100 gals.sp	ent solvents ship	ped to Clayton in	this period.		
	63,800 gals.	Alcohol was proce	ssed and shipped t	o Sigma		
	58,100 gals. 121,900 total		sed and shipped t	o Sigma		
	96,507.41 =	\$0.79/gallon			2.N	.
	121,900				_	10/88
	In addition 19,	100 gallons of Pr 0.32/gal. when sh	dcessed Alcohol is	stored at Clayton	which	l
	Jigina mase pay	D. OLI GUIL MICH 311	ilphea.	<u></u>	L	S/A-000209

Materials Rings with the Com Co 640 gol. 7. 334 19 Et. Tel 1200 gal 27 1985 1700 galzis 5500 gal Much 1985 Processed Ocetoro 1984 Mong 2000 11 0005 School 11 0005 School 11 0005 Olend 1984 5000 Quignat Doc 1983 1983 0 July 1982 course Pucked up by a sold to Sugarion 41

9. W.

check invaices to get dates of transactions whereby E paid for bottom distillate disposal. Then ask Bud Harry where those particular shipments went. (6.8) 271-0467

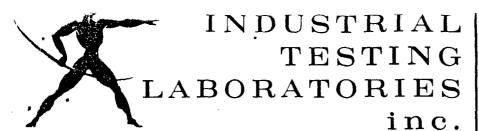
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W Hatioral

45-604 Eye-Ease*



2350 Seventh Blvd.

St. Louis, Missouri 63104

Metallurgists

314/771-7111

Report No. 87-1-249

February 10, 1987

Examination of one (1) waste sample submitted 1/21/87 marked, "Water/Alcohol".

Sigma Chemical Company

P.O. Box 14508

St. Louis, MO 63178

alcohol Bottoms from Clayton Chem. "1900 gal intank

Attn: Mr. Bob Wulf

TEST REPORT

E.P. Toxicity:

Arsenic, mg/l	*0.5
Barium, mg/l	1.26
Cadmium, mg/1	0.29
Chromium, mg/l	0.43
Lead, mg/l	*0.5
Mercury, mg/l	*0.02
Selenium, mg/l	*0.1
Silver, mg/l	*0.5
Flash Point, °F.	127

Analysis conducted in accordance with EPA, SW-846, April 1984.

*Less than.

(PMCC)

Respectfully submitted,

INDUSTRIAL TESTING LABORATORIES, INC.

allow M. Augil

Allan M. Siegel, P.E.

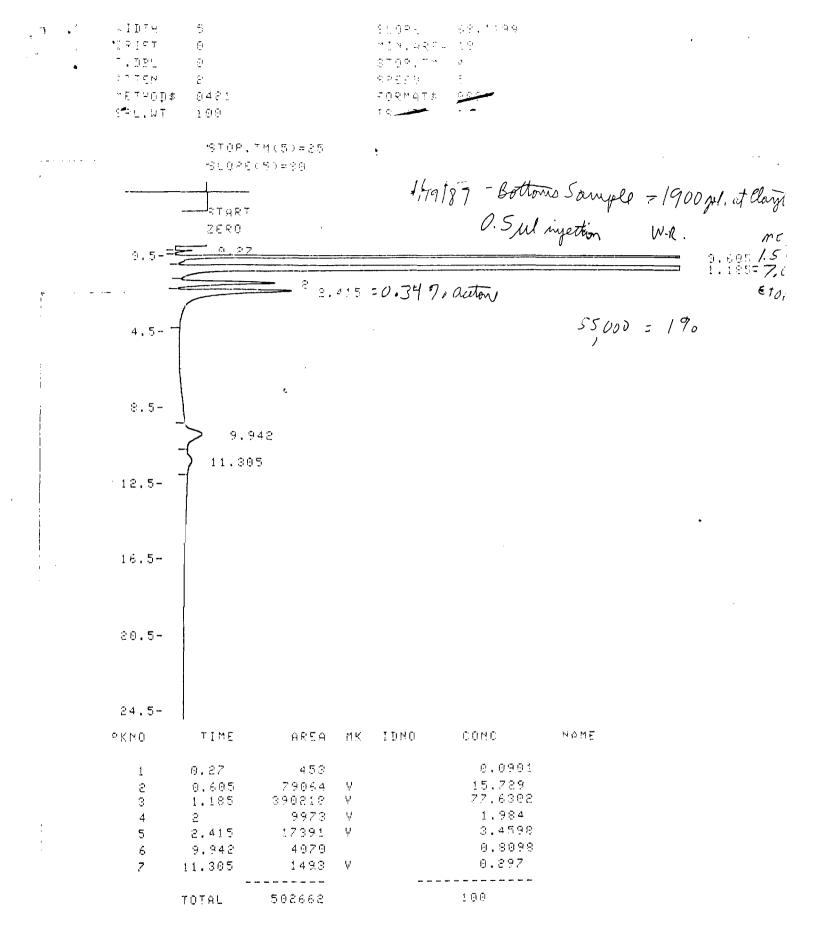
Director

S/A-000203

Lab No. 74086 KL /WL/RW/gmd

Inv. #11731

Pace 3 of 3



To Carol Green From Elsa Steward, alwhol Bottoms at Clayton

1/20/87

amount ~ 1900 gill

Reboiler shut-off ~92°C

Various Solvent concentrations

~90% H20 (by K.F.) 15% MEOH 7.1% ETOH .3% Outone

Flash pt. 117 F Tag Closed Cup

Page 1 of 3

autone;

Distillate - 1-1.5% H2O 1-1.5% MEOH 1-2% ETOH 97-95% Outone

Committee Committee

War State of the S

Same A Market

1800 18 18 S

- The STUH

51 - W. L. J. Long

Lections ;

Fig - 7-128 46

This is a general composition of the used alwhyl factore that we redistill, kwillow hard in feed and "distillate" at solvent recovery operations

R. Will

20 10

alwhol;

Feed - 15-25% H20 10-13% MEOH 1-2% autone 1% MIBK 73-60% ETOH

Re-Picessed alwhol

7-8% H20 10-12% MEON 1-2% Outone; 1% MIBK -78% ETOH

autone;

Feed - 7-12% H2O 1-2% MEOH 2-4% ETOH 80-90% Outone

we want to the control of the contro	· · - ··
Outone bottoms after being stupped to	5 96°C
Outone bottoms after being stupped to Composition; ~3% ETOH	
1% MEQH	
95% H20	
F.P> ~145°F	
On stripping the normal autone bottoms, a 240% of the original volume	ve collect
409 1 +1	
10 of the original Volume	
<i></i>	
LW _u	Il 12/16/85
	and the second section of the sectio
	S/A-000198

Outone Bottoms Composition

autone Bottoms composition at 72° Shutdown

~ \$\frac{65}{8}\to H_2O\$
25\to Outone
9\to ETOH
1\to MEOH

Flash pt. ~18°F

Return rate of Used Autone is ~ 70-75% recovery with 1/250 gel Processed Autone distilled / working day.

Rwelf 12/16/85

Flash point determinations of Alcohol Bottoms 3/26/84

Normal Alcohol Wattoms; (-1600 gat)

O Reboiler temp. cut-off - 90°C

Concentration of various solvents

93% H20
1.3% MEDH

4.5% ETOH

1.2% Outone

Flash pt. 117°F

2 added ~38% HzO to sample Concentrations of various solvents

> 96.6% H2D 0.6% MEOH 2.3% ETOH

0,5 % autone

Flash pt. 140°F